Sunandan Chakraborty
625 W. Michigan Street Room IO 233
Indianapolis, IN 46204
Phone: 317 278 3512
Email: sunachak@iu.edu

EDUCATION:
POSTDOCTORAL
Center for Data Science

New York University		2017
GRADUATE		
Courant Institute of Mathematical Sciences		
New York University	PhD	2015
Indian Institute of Technology, Kharagpur India	MS	2008
UNDERGRADUATE		
Kalyani University	B. Tech	2004

APPOINTMENTS:
ACADEMIC

Institution	Rank/Title	Inclusive Dates
Luddy School of Informatics,Computing, and Engineering Indiana University Purdue University Indianapolis	Associate Professor	Jul 2024 – Present
Luddy School of Informatics,Computing, and Engineering Indiana University Purdue University Indianapolis	Director, AI Undergraduate Programs	Jul 2024 – Present
Luddy School of Informatics,Computing, and Engineering Indiana University Purdue University Indianapolis	Interim Director, Data Science Graduate Programs	Jul 2023 – Jun 2024
Luddy School of Informatics,Computing, and Engineering Indiana University Purdue University Indianapolis	Assistant Professor	Aug 2017 – Jun 2024
Center for Data Science New York University	Moore-Sloan Post-Doctoral Researcher	Sep 2015-Jul 2017
Courant Institute of Mathematical Sciences New York University	Research Assistant	Aug 2010 – Sep 2015
Institut national de recherche en informatique	Researcher	Oct 2009 – Jul 2010

et en automatique (INRIA)

Communication Empowerment Lab, IIT Kharagpur, India	Senior Project Asst.	July 2004-Nov 2008	

NON-ACADEMIC

Institution/Entity	Title	Inclusive Dates
Microsoft Research Lab Cambridge, UK	Research Intern	Sep 2013 – Dec 2013
Microsoft Research Lab Silicon Valley, CA	Research Intern	May 2011–Aug 2011
Microsoft Research Lab India	Research Intern	Nov 2008–Sep 2009

PROFESSIONAL ORGANIZATION MEMBERSHIPS:

SIGKDD, Student Member	2016-2017
ACM SIG Member	2014 -2015, 2017-

PROFESSIONAL HONORS AND AWARDS:

Janet Fabri Prize for Best Thesis in Computer Science	CIMS, NYU	2016
Harold Grad Memorial Prize for Outstanding Performance	CIMS, NYU	2013
Wildlife Crime Tech Challenge Grand Prize Winner	USAID	2016

RESEARCH ACTIVITY:

GRANTS/FELLOWSHIPS IN RESEARCH:

External:

Title	Granting Agency	Role	% Effort	Amount	Dates
RAPID: DRL AI: A Community-Inclusive AI Chatbot to Support Teachers in Developing Culturally Focused and Universally Designed STEM Activities	NSF	Co-PI	33	$200,000	Sep 2023 - Aug 2024
D-ISN/Collaborative Research: An Interdisciplinary Approach to the Discovery, Analysis, and Disruption of Wildlife Trafficking Networks	NSF	PI	100	$216,590	Aug 2022- Jul 2025

CRII: III: Capturing Dynamism in Causal Relationships: A New Paradigm for Relationship Extraction from Text of Causality from Large *Text Data*	NSF	PI	100	$174,935	May 2020-Apr 2023
REU Supplement for CRII: III	*NSF*	*PI*	*100*	*$16,000*	*Aug 2021-Jul 2022*
A Regional Assessment of Soil Degradation and Reclassification to the Urban Soils Classification	NASA [IN Space Grant Fellowship Program 2015-2020]	PI	20	$3,528.89	Apr 2019-May 2020
Cyberranger	Vulcan Inc	PI	80	$28,000	July 2018 – Jun 2019
Enforcement Gap Interface	USAID	Co-PI	50	$120,000	July 2016 - Jun 2017
Internal: A Novel AI-based Approach to Facilitate Code-Shifting for AAVE Speaking Students	Institute of Integrative AI (iAI), IUPUI	PI	70	$25,000	Jan 2023-Dec 2023
					July 2017

PUBLICATIONS:

§ Full papers
*Student Authors

RESEARCH/CREATIVE ACTIVITY

Total Citations: 399 (Nov 29, 2024)
h-index: 11
i10-index: 14

Peer-reviewed articles in conference proceedings (30)

C1. §Juliana Barbosa*, **Sunandan Chakraborty**, Ulhas Gondhali*, Jennifer Jacquet, Gohar Petrossian, Kinshuk Sharma*, Juliana Freire. A Cost-Effective LLM-based Approach to Identify Wildlife Trafficking in Online Marketplaces (Data-Driven Applications). SIGMOD 2025 (Conditionally Accepted)

C2. Eric Graves*, Shreyas Aswar*, Rujuta Desai*, Srilekha Nampelli*, **Sunandan Chakraborty**, and Ted Hall. "AAVE Corpus Generation and Low-Resource Dialect Machine Translation." In

Proceedings of the 7th ACM SIGCAS/SIGCHI Conference on Computing and Sustainable Societies, pp. 50-59. 2024.

C3. §Sydney Anuyah* and **Sunandan Chakraborty**. "Can Deep Learning Large Language Models be Used to Unravel Knowledge Graph Creation?." In Proceedings of the International Conference on Computing, Machine Learning and Data Science, pp. 1-6. 2024.

C4. §Pranav Gujarathi*, Jack Vanschaik*, Venkata Mani Babu Karri*, Anushri Rajapuri*, Biju Cheriyan, Thankam Thyvalikakath and Sunandan Chakraborty. Mining Latent Disease Factors from Medical Literature using Causality. IEEE Big Data Conference 2022 (Big Data). https://doi.org/10.1109/BigData55660.2022.10020994.
[Acceptance rate: 19.9%] [Access/views/downloads: 46]

C5. Gujarathi, Pranav Dhananjay*, Sai Krishna Reddy Gopi Reddy*, Venkata Mani Babu Karri*, Ananth Reddy Bhimireddy*, Anushri Singh Rajapuri*, Manohar Reddy*, Mounika Sabbani*, Biju Cheriyan, Thankam Thyvalikakath, Sunandan Chakraborty. "Note: Using Causality to Mine Sjögren's Syndrome related Factors from Medical Literature." In ACM SIGCAS/SIGCHI Conference on Computing and Sustainable Societies (COMPASS), pp. 674-681. 2022. https://doi.org/10.1145/3530190.3534850.
[Acceptance rate: 25%] [Access/views/downloads: 65]

C6. §Egri, Gokhan*, Xinran Han*, Zilin Ma*, Priyanka Surapaneni*, and Sunandan Chakraborty. "Detecting Hotspots of Human-Wildlife Conflicts in India using News Articles and Aerial Images." In ACM SIGCAS/SIGCHI Conference on Computing and Sustainable Societies (COMPASS), pp. 375-385. 2022. https://doi.org/10.1145/3530190.3534818.
[Acceptance rate: 25%] [Access/views/downloads: 112]

C7. §Gujarathi, Pranav*, Manohar Reddy*, Neha Tayade*, and Sunandan Chakraborty. "A Study of Extracting Causal Relationships from Text." In Intelligent Systems and Applications: Proceedings of the 2022 Intelligent Systems Conference (IntelliSys) Volume 3, pp. 807-828. Cham: Springer International Publishing, 2022. https://doi.org/10.1007/978-3-031-16075-2_59. [Access/views/downloads: 505]

C8. §Egri, Gokhan*, Xinran Han*, Zilin Ma*, and Sunandan Chakraborty. Classifying and Analysing Human-Wildlife Conflicts in India using News Articles. International Workshop on Artificial Intelligence for Social Good, International Joint Conference on Artificial Intelligence (IJCAI-21). [Access/views/downloads: N/A]

C9. §Maitreyi Mokashi*, Enming Zhang*, Josette Jones, **Sunandan Chakraborty** (2020). A Framework for Extracting Features from Online Forums to Meet Unmet Needs of Breast Cancer Patients. ACM COMPASS 2020. https://doi.org/10.1145/3378393.3403652.
[acceptance rate: 28%] [Access/views/downloads: 95]

C10. §Anmol Panda, **Sunandan Chakraborty**, Noopur Raval, Han Zhang, Mugdha Mohapatra, Syda Zainab Akbar, Joyojeet Pal (2020). Affording extremes: incivility, social media and democracy in the Indian context. ICTD 2020. https://doi.org/10.1145/3392561.3394637.
[acceptance rate: 19%] [Access/views/downloads: 305]

C11. §Ananth Balashankar*, **Sunandan Chakraborty**, Samuel Fraiberger and Lakshminarayanan Subramanian, 2019. Identifying Predictive Causal Factors from News Streams. EMNLP 2019, Hong Kong, China. https://doi.org/10.18653/v1/D19-1238.
[acceptance rate: 20.5%] [Access/views/downloads: N/A]

C12. Xing Yu*, **Sunandan Chakraborty**, Erin Brady, 2019. A Co-Training Model with Label Propagation on a Bipartite Graph to Identify Online Users with Disabilities. ICWSM, 2019, Munich, Germany. https://doi.org/10.1609/icwsm.v13i01.3268.
[acceptance rate: 21.4%] [Access/views/downloads: N/A]

C13. Hawra Rabaan*, **Sunandan Chakraborty**, and Alyson L. Young. 2018. Studying the Impression of Saudi People towards Current Social Changes. In *Companion of the 2018 ACM*

Conference on Computer Supported Cooperative Work and Social Computing (CSCW '18). ACM, New York, NY, USA, 333-336. https://doi.org/10.1145/3272973.3274090. [Access/views/downloads: 141]

C14. §**Sunandan Chakraborty**, Joyojeet Pal, Priyank Chandra, Daniel Romero (2018). "Political Tweets and Mainstream News Impact in India: A Mixed Methods Investigation into Political Outreach", *ACM COMPASS*, San Francisco, USA. https://doi.org/10.1145/3209811.3209825 [acceptance rate: 17%] [Access/views/downloads: 217]

C15. §Ananth Balashankar*, **Sunandan Chakraborty** and Lakshminarayanan Subramanian (2018). "Stock Price Prediction Using Unsupervised Word Influencer Networks From News Streams", *ACL, Melbourne, AU.* https://doi.org/10.18653/v1/W18-3109 [acceptance rate: 18.3%] [Access/views/downloads: N/A]

C16. §Ananth Balashankar*, **Sunandan Chakraborty**, Lakshminarayanan Subramanian, Samuel Fraiberger, Srikanth Jagabathula (2018). Causal Inference from News Streams. ICML / IJCAI / AAMAS Workshop Machine Learning for Causal Inference, Counterfactual Prediction, and Autonomous Action (CausalML), Stockholm, Sweden [Access/views/downloads: N/A]

C17. **Sunandan Chakraborty**, Lakshminarayanan Subramanian, (2016). "Extracting Signals from News Streams for Disease Outbreak Prediction", GlobalSIP 2016, Washnigton DC, USA

C18. Christopher Rohlfs, **Sunandan Chakraborty** and Lakshminarayanan Subramanian (2016). The Effects of the Content of FOMC Communications on US Treasury Rates. EMNLP 2016 [acceptance rate: 22%]

C19. §**Sunandan Chakraborty**, Ashwin Venkataraman, Srikanth Jagabathula, Lakshminarayanan Subramanian (2016). Predicting Socio-Economic Indicators using News Events. KDD 2016 [acceptance rate: 18%]

C20. §**Sunandan Chakraborty**, Zohaib Jabbar, Lakshminarayanan Subramanian, Yaw Nyarko (2016). Satellite Image Analytics, Land Change and Food Security. KDD Workshop on Data Science for Food, Energy and Water (DSFEW 2016).

C21. **Sunandan Chakraborty**, Filip Radlinski, Milad Shokouhi, and Paul Baecke (2014). On Correlation of Absence Time and Search Effectiveness, in Proceedings of the ACM International Conference on Research and Development in Information Retrieval (SIGIR), ACM, July 2014 [acceptance rate: 30%]

C22. §**Sunandan Chakraborty** and Lakshminarayanan Subramanian. (2014). Extraction of (label,value) Pairs from Unstructured Ads. AAAI Fall Symposium: Natural Language Access to Big Data, Arlington, VA, 2014 [acceptance rate: 28%]

C23. **Sunandan Chakraborty**, Tiffany Tong, Jay Chen, Afshan Aman, Talal Mufti, Yaw Nyarko and Lakshminarayanan Subramanian. (2013). Experiences in Designing a Mobile GIS Mapping Tool for Rural Farmers in Ghana. DEV 2013.

C24. §Rakesh Agrawal, **Sunandan Chakraborty**, Sreenivas Gollapudi, Anitha Kannan, and Krishnaram Kenthapadi. (2012), Empowering Authors to Diagnose Comprehension Burden in Textbooks, in ACM SIGKDD Conference on Knowledge Discovery and Data Mining (KDD), 2012. Beijing, China [acceptance rate: 18%]

C25. Rakesh Agrawal, **Sunandan Chakraborty**, Sreenivas Gollapudi, Anitha Kannan, and Krishnaram Kenthapadi. (2012). Quality of Textbooks: An Empirical Study, in ACM Symposium on Computing for Development (ACM DEV 2012)

C26. §**Sunandan Chakraborty**, Jay Chen, Mangala Kanthamani, Lakshminarayanan Subramanian. (2012). On the Feasibility and Utility of Web based Educational Lesson Plans. ACM Symposium On Computing For Development (ACM DEV 2012), Atlanta, GA

C27. §**Sunandan Chakraborty**, Lakshminarayanan Subramanian. (2011). Location Specific Summarization of Climatic and Agricultural Trends. International World Wide Web Conference (WWW 2011), Hyderabad, India [acceptance rate: 16%]

C28. §Aishwarya Lakshmi Ratan, **Sunandan Chakraborty**, Pushkar V. Chitnis, Kentaro Toyama, Keng Siang Ooi, Matthew Phiong, Mike Koenig, (2010). Managing Microfinance with Paper, Pen and Digital Slate. International Conference On Information And Communication Technologies And Development (ICTD 2010), London, UK.

C29. §**Sunandan Chakraborty**, Devshri Roy, and Anupam Basu. "Development of knowledge based intelligent tutoring system." Advanced Knowledge Based Systems: Model, Applications & Research 1 (2010): 74-100.

C30. §**Sunandan Chakraborty**, Tamali Bhattacharya, Plaban Bhowmick, Anupam Basu and Sudeshna Sarkar. (2007). Shikshak: An Intelligent Tutoring System Authoring Tool for Rural Education. IEEE/ACM International Conference On Information And Communication Technologies And Development (ICTD 2007), Bangalore, India.

C31. Plaban Bhowmick, Samiran Sarkar, Sudeshna Sarkar, Anupam Basu and **Sunandan Chakraborty**. (2007). Samvidha: A ICT System for Personalized Offline Internet Access for Rural Schools. IEEE/ACM International Conference On Information And Communication Technologies And Development (ICTD2007), Bangalore, India.

C32. **Sunandan Chakraborty**, Devshri Roy, Anupam Basu, (2008). Shikshak: An Architecture for an Intelligent Tutoring System. International Workshop of Cognitive Aspects in Intelligent and Adaptive Web-based Educational Systems (CIAWES, 2008) held in conjunction ICCE, 2008. Taipei, Taiwan.

C33. **Sunandan Chakraborty**, Devshri Roy, Anupam Basu, (2008). Semiautomatic Annotation of Test Materials in an ITS Authoring System. International Workshop of Cognitive Aspects in Intelligent and Adaptive Web-based Educational Systems (CIAWES, 2008) held in conjunction ICCE, 2008. Taipei, Taiwan.

Peer-reviewed journal articles (4)

J1. §Trever Jackson*, **Sunandan Chakraborty**. The Cannabis sativa Genetics and Therapeutics Relationship Network: Automatically associating Cannabis related genes to therapeutic properties through chemicals from Cannabis literature. *Journal of Cannabis Research*, *5*(1), 1-10. https://doi.org/10.1186/s42238-023-00182-z
[Impact Factor: 3.7] [Access/views/downloads: 679]

J2. §Jack VanSchaik*, Pala Jain*, Anushri Singh*, Biju Cheriyan, Thankam Thyvalikakath, **Sunandan Chakraborty**. Using transfer learning-based causality extraction to mine disease factors from biomedical literature. Heliyon, 2023. DOI: 10.1016/j.heliyon.2023.e19265 [Impact Factor: 4.0]

J3. §John Burns*, Zachary Zaiman, Jack Vanschaik*, Gaoxiang Luo, Le Peng, Brandon Price, Garric Mathias, Vijay Mittal, Akshay Sagane, Christopher Tignanelli, **Sunandan Chakraborty**, Judy Gichoya, Saptarshi Purkayastha. Ability of Artificial Intelligence to Identify Self-Reported Race in Chest X-Ray Using Pixel Intensity Counts. Journal of Medical Imaging. 2023. DOI: 10.1117/1.JMI.10.6.061106 [Impact Factor: 2.4]

J4. **Sunandan Chakraborty**, Srikanth Jagabathula, Lakshminarayanan Subramanian, and Ashwin Venkataraman. "Frontiers in Operations: News Event-Driven Forecasting of Commodity Prices." Manufacturing & Service Operations Management (2024).

J6. **Sunandan Chakraborty**, Devasri Roy, Anupam Basu. Development of knowledge based intelligent tutoring system. Advanced Knowledge Based Systems: Model, Applications & Research 1, 74-100

J7. Aishmi Lakshmi Ratan, **Sunandan Chakraborty**, Pushkar V. Chitnis, Kentaro Toyama, Keng Siang Ooi, Matthew Phiong, Michael Koenig. Managing Microfinance with Paper, Pen, and Digital Slate. Information Technologies and International Development. Vol 8 (2)

Under Review:

J8. **Sunandan Chakraborty**, Gohar Petrossian, Monique Sonowski, Juliana Freire, Jennifer Jacquet. Automated detection of potentially illegal and endangered species for sale online. Biological Conservation (Resubmitted after Minor revision)

Peer-Reviewed Workshop papers

W1. Juliana Barbosa, Juliana Freire and **Sunandan Chakraborty**. A Flexible and Scalable Approach for Collecting Wildlife Advertisements on the Web. 1st CIKM International Workshop on Knowledge Extraction and Management for Wildlife Conservation (InfoWild 2023)

Extended Abstracts
E1. Jack Vanschaik*, **Sunandan Chakraborty**. Quantifying Uncertainty in Patient Count Metrics Derived from Imperfect EHR-based Phenotypes. AMIA 2021
E2. **Sunandan Chakraborty**, Tarunima Prabhakar, Joyojeet Pal. Dissecting Fake News: Understanding the Dynamics of False Information spread in India. International Conference on Computational Social Science (IC2S2) 2019, Amsterdam, NL.
E3. Anmol Panda, Lia Bozarth, Han Zhang, Mugdha Mohapatra, **Sunandan Chakraborty** and Joyojeet Pal (2019). Extending the extremes: a survey of factors that amplify extreme speech in political discourses on Indian Twitter. SMSociety 2019, Toronto, Canada.
E4. **Sunandan Chakraborty,** Jeremy Pressman (2018). The March for Science: Transcending Partisan Divides? APSA Conference, Boston, MA, USA
E4. **Sunandan Chakraborty**, Scot Dalton, Yaw Nyarko and Lakshminarayanan Subramanian. (2012). Computing the Rate of Disappearance of Cropland Using Satellite Images. International Conference of Computational Sustainability (CompSust, 2012). Copenhagen, Denmark

INVITED PRESENTATIONS – RESEARCH
LOCAL:

Title	Organization	Date
Causal Relationship Extraction from Text using Transfer Learning	IU School of Dentistry	Oct 25, 2023
Detection of low-head dams in Marion County	Indiana Geographic Information Council (IGIC)	May 26, 2021
News Event-driven Predictive Models	Dept. of Math, School of Science, IUPUI	Nov 12, 2019
Cloud Computing for Big Data Analytics	IUPUI BioStatistics Departmental Seminar	Oct 20, 2019
Illegal Wildlife Trade on the Web	Office of Postdoctoral Affairs at New York University	May 10, 2017

NATIONAL:

Title	Organization	Date
Detection of Illegal Wildlife Trade on the Web	NSF	March, 2023
Exploring Dynamism of Causal Relationships extracted from Text	Towson University, MD	May 3, 2022
Beyond Fake News: A Framework to Analyze Motivated Information Moore-Sloan Data Science Summit	Moore-Sloan Data Science Summit	Oct 10, 2018
Enforcement Gaps Interface: Detecting Illegal Internet Wildlife Trade	USC Center for Artificial Intelligence for Society	Oct 4, 2017
Automatic Extraction of Protest Crowd Size from New Articles	Moore-Sloan Data Science Summit	Nov 7, 2017

INTERNATIONAL:

Title	Organization	Date
Mining Latent Disease Factors from Medical Literature using Causality.	IEEE Big Data Conference 2022	Dec 17, 2022
A Study of Extracting Causal Relationships from Text.	Intelligent Systems and Applications Conference 2022	Sep 2022
Detecting Hotspots of Human-Wildlife Conflicts in India using News Articles and Aerial Images.	ACM COMPASS 2022	June 29, 2022
Extracting Cues of Causality from Medical Text to Mine Factors related to Sjögren's Syndrome	IIT Madras, Chennai, India	July 28, 2022
Exploring Dynamism of Causal Relationships extracted from Text	Academic Data Science Alliance	Dec 13, 2021
Quantifying Uncertainty in Patient Count Metrics Derived from Imperfect EHR-based Phenotypes	AMIA Symposium 2021	Nov 2021
Exploring Dynamism of Causal Relationships extracted from Text	Microsoft Research India	Sep 29, 2021
Low Head Dam Detection using Deep Learning techniques	2021 ASDSO Annual Conference	Sep 13, 2021

Framework for Extracting Features from Online Forums to Meet Unmet Needs of Breast Cancer Patients.	ACM COMPASS 2020	June 15, 2020
A framework to analyze and dissect dissemination of motivated information through social media	CMStatistics Conference	Dec 16, 2019
News Event-driven Predictive Models For Forecasting Socio-economic Indicators	INFORMS Annual Meeting	Oct 23, 2019
Dissecting Fake News: Understanding the Dynamics of False Information spread in India (Peer reviewed)	IC2S2	July 18, 2019
Text mining and information extraction from medical text	Digital Health Conference	April 25, 2019
Enforce Gap Interface: An online tool to detect illegal wildlife trade on the web	Microsoft Research, Traffic	Sep 11, 2018
Political Tweets and Mainstream News Impact in India: A Mixed Methods Investigation into Political Outreach	ACM COMPASSS 2018	June 20, 2018
Text Mining Methods for Political Social Media Studies	School of Information, University of Michigan	April 14, 2018

TEACHING:
  GRADUATE

INFO-H516	Applied Cloud Computing For Data Intensive Sciences	Instructor	Fall 2024	45
INFO-H518	Deep Learning Neural Networks	Instructor	Fall 2024	32
INFO-H518	Deep Learning Neural Networks Total Students: 55 Course score: 3.68 Instructor score: 3.76	Instructor	Spring 2024	55
INFO-H516	Applied Cloud Computing For Data Intensive Sciences Total Students: 58 Course score: 3.67 Instructor score: 3.77	Instructor	Fall 2023	58
INFO-H518	Deep Learning Neural Networks	Instructor	Fall 2023	31

	Total Students: 31 Course score: 3.61 Instructor score: 3.72			
INFO-H516	Applied Cloud Computing For Data Intensive Sciences Total Students: 33 Course score: 3.30 Instructor score: 3.48	Instructor	Spring 2023	33
INFO-H518	Deep Learning Neural Networks Total Students: 25 Course score: 3.57 Instructor score: 3.79	Instructor	Spring 2023	25
INFO-H516	Applied Cloud Computing For Data Intensive Sciences Total Students: 11 Course score: 3.35 Instructor score: 3.79	Instructor	Fall 2022	11
INFO-H518	Deep Learning Neural Networks Total Students: 25 Course score: 3.51 Instructor score: 3.67	Instructor	Fall 2022	25
INFO-I590	Advanced Topics in NLP Total Students: 12 Course score: 3.60 Instructor score: 3.82	Instructor	Summer 2022	12
INFO-H516	Applied Cloud Computing For Data Intensive Sciences Total Students: 38 Course score: 3.49 Instructor score: 3.65	Instructor	Spring 2022	38
INFO-H611	Mathematical and Logical Foundations Of Informatics	Instructor	Fall 2021	32
INFO-H518	Deep Learning Neural Networks	Instructor	Fall 2021	22
INFO-H516	Applied Cloud Computing Format For Data Intensive Sciences	Instructor	Spring 2021	21
INFO-H611	Mathematical and Logical Foundations Of Informatics	Instructor	Fall 2020	14
INFO-H518	Deep Learning Neural Networks	Instructor	Fall 2020	23
INFO-H518	Deep Learning Neural Networks	Instructor	Spring 2020	20
INFO-H516	Applied Cloud Computing For Data Intensive Sciences	Instructor	Fall 2019	38
INFO-H611	Mathematical and Logical Foundations Of Informatics	Instructor	Fall 2019	19
INFO-H518	Deep Learning Neural Networks	Instructor	Spring 2019	38
INFO-H516	Applied Cloud Computing Format	Instructor	Fall	33

	For Data Intensive Sciences		2018	
INFO-H501	Intro to Informatics	Instructor	Summer 2018	10
INFO-H599	Deep Learning Neural Networks	Instructor	Spring 2018	14
INFO-H516	Applied Cloud Computing Format For Data Intensive Sciences	Instructor	Fall 2017	31

ARRANGED SECTIONS TAUGHT (INDEPENDENT STUDIES AND RESEARCH CREDITS)

INFO-I890	Thesis Reaching and Research (arranged)	Instructor	Fall 2023	1
INFO-I698	Research in Informatics (arranged)	Instructor	Fall 2023	1
INFO-I698	Research in Informatics (arranged)	Instructor	Spring 2023	2
INFO-I890	Thesis Reaching and Research (arranged)	Instructor	Spring 2023	1
INFO-I494	Design & Development of an Informatics System (arranged)	Instructor	Spring 2023	2
INFO-I698	Research in Informatics (arranged)	Instructor	Fall 2022	2
INFO-I699	Independent Study in Informatics (arranged)	Instructor	Fall 2022	1
INFO-I890	Thesis Reaching and Research (arranged)	Instructor	Fall 2022	2
INFO-I494	Design & Development of an Informatics System (arranged)	Instructor	Fall 2022	1
INFO-I698	Research in Informatics (arranged)	Instructor	Spring 2022	1
INFO-I699	Independent Study in Informatics (arranged)	Instructor	Spring 2022	1
INFO-I790	Informatics Research Rotation (arranged)	Instructor	Spring 2022	1
INFO-I890	Thesis Reaching and Research (arranged)	Instructor	Spring 2022	2
INFO-I698	Research in Informatics (arranged)	Instructor	Fall 2021	1
INFO-I890	Thesis Reaching and Research (arranged)	Instructor	Summer 2021	1
INFO-I890	Thesis Readings and Research (arranged)	Instructor	Spring 2021	1
INFO-I790	Informatics Research Rotation (arranged)	Instructor	Spring 2021	2
INFO-I699	Independent Study-Informatics (arranged)	Instructor	Spring 2021	1
INFO-I698	Research in Informatics (arranged)	Instructor	Spring 2021	1
INFO-G599	Thesis Research (Independent Study)	Primary Advisor	Spring 2021	1
INFO-I790	Informatics Research Rotation (arranged)	Instructor	Fall 2020	1
INFO-I890	Thesis Reaching and Research	Instructor	Fall	1

	(arranged)			2020
INFO-I698	Research in Informatics (arranged)	Instructor	Fall 2020	1
INFO-I699	Independent Study in Informatics (arranged)	Instructor	Fall 2020	1
INFO-G599	Thesis Research (Independent Study)	Primary Advisor	Summer 2020	1
INFO-I698	Research in Informatics (arranged)	Instructor	Summer 2020	1
INFO-I890	Thesis Reaching and Research (arranged)	Instructor	Summer 2020	1
INFO-B552	Ind Study In Bioinformatics (arranged)	Instructor	Summer 2020	1
INFO-I890	Thesis Readings and Research Instructor (arranged)		Spring 2020	1
INFO-I698	Research in Informatics (arranged)	Instructor	Spring 2020	2
INFO-I695	Thesis/Project Applied Data Science Research (arranged)	Primary Advisor	Spring 2020	1
INFO-I890	Thesis Reaching and Research (arranged)	Instructor	Fall 2019	1
INFO-I698	Research in Informatics (arranged)	Instructor	Fall 2019	2
INFO-I695	Thesis/Project Applied Data Science Research (arranged)	Primary Advisor	Fall 2019	1
INFO-I699	Independent Study in Informatics (arranged)	Instructor	Spring 2019	2
INFO-I790	Informatics Research Rotation (arranged)	Instructor	Summer 2018	2

MENTORING:

Individual	Role	Inclusive Dates
Eric Graves	PhD Advisor	2018 –
Jack T. Vanschaik	PhD Advisor	2020 –
Manohar Reddy (Dropped out)	PhD Advisor	2018 – 2021
Ratanond Koonchanok	PhD Research Committee	2020 –
Robert Quick	PhD Research Committee	2020 –
Pegah Karimi	PhD Research Committee	2021 –
Enming Zhang	PhD Research Committee	2020 – 2022
Shawn Dai	PhD Research Committee	2020 – 2021
Sawyer Lehman	Informatics Capstone project	2023 – 2023
Taofeek Alao	Informatics Capstone project	2023 – 2023
Jose Cordova	Independent Study	2023 – 2023
Rishi Chandran	Independent Study	2023 – 2023
Alankrit Gupta	Independent Study	2022 – 2022
Palak Jain	Independent Study	2022 – 2022
Sydney Anuyah	Independent Study	2022 – 2022
Gaia Harshman	Informatics Capstone project	2022 - 2022
Hymavathi Gummudala	MS Student Research Advisor	2022 -
Vishal Patil	Independent Study	2021 – 2021

Gopi Reddy, Sai Krishna Reddy	Independent Study	2021 –
Mandeep Dhillon	Independent Study	2020 – 2021
Abel Duran Barrera	Independent Study	2020 – 2021
Trever Jackson	Independent Study	2020 – 2021
Haneesha Deru	Capstone Project Mentor	2020 – 2020
Sahitesh Reddipelly	Independent Study	2019 – 2020
Ananth Reddy	MS Student Research Advisor	2019 – 2020
Abhijeet Royala	Independent Study	2019 – 2020
Maitreyi Mokashi	MS Student Research Advisor	2019 – 2020
Rajeni Nagarajan	MS Student Research Advisor	2019 – 2020
Anushri Jayawal	MS Student Research Advisor	2019 – 2019
Sneha Shrotri	MS Student Research Advisor	2019 – 2019
Swapna Daulatabad	Minor PhD Advisor	2018 –
Jonathan Armitage	PhD Advisor	2017 – 2018
Hawra Rabaan	Co-advisor	2017 – 2018
Sarah Nikkah	Research Rotation	2018 – 2018
Xing Yu	PhD Research Committee	2018 - 2019
Swati Mishra	PhD Research Committee	2017 – 2018
Kallol Das	MS Student Research Advisor	2017-2018
Avanthi Kumar	MS Student Research Advisor	2017-2018

SERVICE:

UNIVERSITY SERVICE:

Activity	Role	Inclusive Dates
Seed internal grant program	Reviewer	Dec 2023
CTSI Core Pilot 2023	Reviewer	Jun 2023
IU Mexico gateway workshop	Presenter	Apr 2023
Institute of Integrative AI (iAI) Seed Grant Program	Reviewer	March 2022
Indianapolis Project Seed - High School Summer Research Program	Mentor	Jun 2022 – Jul 2022
Indianapolis Project Seed - High School Summer Research Program	Mentor	Jun 2021 – Jul 2021
Institute of Integrative AI	Reviewer of Whitepaper	Jan 2021
CAUSI Advisory Committee	Committee Member	Feb 2018 – May 2019
Data Science Initiative Advisory Committee	Committee Member	Sep 2018 –

DEPARTMENT:

Activity	Role	Inclusive Dates
AI Undergraduate Programs	Program Director	Jul 2024 – Present
Data Science Graduate Program	Program Director (Interim)	Jul 2023 – Jun 2024
Data Science Program Committee	Member	Aug 2022-
Data Science Program Admission Committee (MS/PhD)	Reviewer	Jan 2022 – Mar 2022 Sep 2022 – Oct 2022

Colloquia Speaker series Committee	Committee Member	Aug 2017 –
Rubric for Improving PRAC report Unit MS in HCI	Program Reviewer	Sep 2017
MS/PHD in Data Science Admission Committee	Committee Member	Sep 2017 –
Data Science Program Committee Curriculum Development (Specific roles: leading monthly program meetings, organizing Ph.D. qualifier exams in 2020, 2021)	Committee Member/Lead	Sep 2017 –

SCHOOL:

Activity	Role	Inclusive Dates
AI Lecturer Search	Committee Chair	Oct 2024 --
Data Science Lecturer Search	Committee Chair	Sep 2022 – Mar 2023
Data Science Tenure Track Faculty search Committee	Committee Member	Aug 2021 – May 2022
LIS Lecturer Search Committee	Committee Member	Oct 2021 – Jan 2022
Data Science Program Committee (MS and PhD)	Committee Chair	Sep 2018 –
Budget Affairs Committee	Committee Member	Sep 2019 –
BA in AI Program Design	Committee Member	Apr 2020 – Jul 2020
New Space Committee	Committee Member	Sep 2018 – May 2019
DATA Lab	Co-Director	Aug 2023 –
		Aug 2018 – July 2019
	Director	Aug 2019 – July 2020
Academic Affairs Committee	Committee Member	Aug 2017 –

PROFESSIONAL SERVICE:

INTERNATIONAL

Organization	Activity	Inclusive Dates
IEEE Transactions on Pattern Analysis and Machine Intelligence	Reviewer	Nov 2023 – Dec 2023
Heliyon	Reviewer	Oct 2023
AAAI 2025	Meta Reviewer/ Senior PC Member	Sep 2024 – Nov 2024
ACM Association of Computational Linguistics	Reviewer	May 2023 – Dec 2023
Journal of Medical Internet Research	Reviewer	May 2023
Environmental Data Science	Reviewer	May 2023
Frontiers of Digital Health	Reviewer	Dec 2022 - Jan 2023
Journal on Computing and Sustainable Societies (JCSS)	Associate Editor	Sep 2022 -
AAAI 2023	Meta Reviewer/ Senior PC Member	Sep 2022 – Dec 2022
ACL	Reviewer	Mar 2022 – Dec 2022
AAAI workshop on AI for Social	Reviewer	Dec 2022

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KDD 2022	Reviewer	Mar-April 2022
ICTD 2022	Reviewer	Feb 2022
ECIS 2022	Reviewer	Jan 2022
iConference 2023	Reviewer	Oct 2022 – Nov 2022
NSF Panelist 2022	Reviewer and panelist	Mar 2022 – Apr 2022
NSF Panelist 2022	Reviewer and panelist	Dec 2021 – Jan 2022
ICTD 2022	Program Committee Member	Jan 2021 – March 2022
ACM COMPASS 2022	Program Committee member	Dec 2021 – May 2022
AAAI Conference	Program Committee member	Sep 2021 – Nov 2021
ACL Conference	Program Committee member	Nov 2021 –
ACM COMPASS 2021	Global Health Track Chair	Jan 2021 – July 2021
ACM COMPASS 2021	Program Committee member	Jan 2021 – May 2021
NSF Panelist 2021	Reviewer and panelist	Dec 2020 – Jan 2021
The American Journal of Surgery	Reviewer	Nov 2020
KDD Workshop FEED	Program Committee member	2020
Heliyon Journal	Reviewer	2020
PeerJ	Reviewer	2019
KDD Workshop on Data Mining And AI for Conservation (DMAIC)	Organizer	Aug 2019
ICTD Conference	Program Committee member	2018, 2020
COMPASS Conference	Program Committee member	2018, 2020
SSEI Workshop, Web Conference (WWW)	Program Committee member	2018
ICTD Conference	Program Committee member	2017
KDIR Conference	Program Committee member	2017
ICTD Conference	Program Committee member	2016
CIKM Conference	Program Committee member	2015

COMMUNITY

Cricket Club of IUPUI	Advisor	Jan 2023 -