



Rudra Dhar

IIIT Hyderabad, India
rudra.dhar@research.iiit.ac.in
 Google Scholar
 LinkedIn
[My website](#)

WORK EXPERIENCE

- MONTYCLOUD**, *Research Assistant, Part Time* Oct 2023 - Present
Worked in industry-academia collaboration for introducing AI features to Autonomous CloudOps.
- HSBC**, *Analyst* Aug 2020 - Oct 2021
Worked in data team responsible for preparing and maintaining data for statistical and ML modeling.
- NRI FINTECH**, *Associate Software Engineer* Aug 2017 - July 2018
Worked as a full-stack web developer for building websites for share-market brokers. My role involved developing backend features using Java and Spring MVC, front-end with JSP/JavaScript/CSS, and also DB.

EDUCATION

- PHD. COMPUTER SCIENCE AND ENGINEERING** Jul 2022 - Present
International Institute of Information Technology - Hyderabad
My PhD Topic is Genarative AI for Architecture Knowledge Management. I develop and apply Generative AI and Information Retrieval techniques for Software Architecture Knowledge Management. My Advisors are Dr. Karthik Vaidhyanathan and Dr. Vasudeva Varma.
- MASTERS IN COMPUTER SCIENCE AND ENGINEERING** Jul 2018 - Jun 2020
Jadavpur University
My research domain was NLP with thesis titled 'Fact Checkable Claim Identification and Verification'.
- B.TECH IN COMPUTER SCIENCE AND ENGINEERING** July 2013 - Jun 2017
Institute of Engineering and Management

SELECTED PUBLICATIONS

- R. Dhar**, K. Vaidhyanathan and V. Varma, "Can LLMs Generate Architectural Design Decisions? - An Exploratory Empirical Study," 2024 IEEE 21st International Conference on Software Architecture (ICSA), Hyderabad, India, 2024, pp. 79-89, doi: 10.1109/ICSA59870.2024.00016.
- R. Dhar**, K. Vaidhyanathan and V. Varma, "Leveraging Generative AI for Architecture Knowledge Management," 2024 IEEE 21st International Conference on Software Architecture Companion (ICSA-C), Hyderabad, India, 2024, pp. 163-166, doi: 10.1109/ICSA-C63560.2024.00034.
- Rudra Dhar**, Adyansh Kakran, Amey Karan, Karthik Vaidhyanathan, Vasudeva Varma. (2025). DRAFT-ing Architectural Design Decisions using LLMs.
- Radu Apsan, Vincenzo Stoico, Michel Albonico, **Rudra Dhar**, Karthik Vaidhyanathan, Ivano Malavolta. (2025). Generating Energy-Efficient Code via Large-Language Models – Where are we now?.
- Ankita Maity, Anubhav Sharma, **Rudra Dhar**, Tushar Abhishek, Manish Gupta, and Vasudeva Varma. 2024. Multilingual Bias Detection and Mitigation for Indian Languages. In Proceedings of the 7th Workshop on Indian Language Data: Resources and Evaluation, pages 24–29, Torino, Italia. ELRA and ICCL.
- Rudra Dhar** and Subhabrata Dutta and Dipankar Das, . "A Hybrid Model to Rank Sentences for Check-worthiness." . In Working Notes of CLEF 2019 - Conference and Labs of the Evaluation Forum, Lugano, Switzerland, September 9-12, 2019. CEUR-WS.org, 2019.