Susmita Das

PhD Student
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EDUCATION

- **University of Glasgow, UK**
  PhD in School of Computing Science   *Jan 2024- Present*
  *Research Topic: **Modelling collaborative multi-agent framework for code generation***

- **Indian Institute of Technology Kharagpur, India**
  MS by Research, Department of Artificial Intelligence; CGPA: 8.4   *2020 –2023*

- **Haldia Institute of Technology, India**
  B-Tech, Computer Science and Engineering;   CGPA: 7.81   *2014 – 2018*

PUBLICATION

- **In-Context Learning as an Effective Estimator of Functional Correctness of LLM-Generated Code**
  Susmita Das, Madhusudan Ghosh, Priyanka Swami, Debasis Ganguly and Gul Calikli
  Accepted in SIGIR 2025 (short paper) , preprint coming soon

- **RNN-architectures, training tricks and introduction to influential research**
  Susmita Das, Amara Tariq, Thiago Santos, Sai Sandeep Kantareddy, and Imon Banerjee
  Machine Learning for Brain Disorders, Springer 2022

- **PathologyBERT - Pre-trained Vs. A New Transformer Language Model for Pathology Domain**
  Thiago Santos, MS, Amara Tariq, Ph.D., Susmita Das, MS, Kavyasree Vayalpati, MS, Geoffrey H. Smith, MD, Hari Trivedi, MD, Imon Banerjee, Ph.D
  American Medical Informatics Association (AMIA)– 2022

EXPERIENCE

- **University of Glasgow**   *Jan 2024- Present*
  - *PhD student at School of Computing Science*
    - Worked on developing a framework for code quality estimation to estimate the quality of LLM generated code without using test cases or reference solutions
    - Currently working on developing a coding agent with memory

- **Kalinga Institute of Industrial Technology, Bhubaneswar** *June 2023 – Dec 2023*
  - *Assistant Professor – I , School of Computer Engineering*
    - Courses taught to 3rd year Btech students:
      - Data Structure and Algorithm
      - Artificial Intelligence

- **Indian Institute of Technology, Kharagpur India**
  - *Research Fellow* *April 2019 – December 2022*
    - **Knowledge Graph Creation**
      - Worked on building a knowledge graph from RDBMS database and textual data in the domain of oil and gas
      - Worked on the link prediction task on knowledge graph constructed from textual data in the domain of oil and gas.
    - **Well log conditioning**
      - Worked on well log data conditioning to correct the erroneous sonic log data by applying deep learning methodologies.

- **Arizona State University, Arizona USA**
  - *Research Intern* *October 2021- April 2022*
    - Worked on oncology progression prediction from medical text reports.
    - Wrote a book chapter on Recurrent Neural Networks
    - Worked on project for classifying liver cancer from labelled and un-labelled radiology text reports.

- **Indian Institute of Technology, Kharagpur India**
  - *Software Developer* *Feb 2019- March 2019*
    - Worked on ERP project of IIT Kharagpur to build the using Java, Spring Framework, JavaScript.

ACHIEVEMENTS

Obtained fully funded scholarship for PhD by the University of Glasgow.

CONTACT DETAILS

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