



Sayak Chowdhury

Roll No.:MS20203012

MS(Master of Science (by Research) - Computer Science
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EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
MS(R)	International Institute of Information Technology, Bangalore	3.33/4	2023-Present
B.Tech.	RCC Institute of Information Technology, Kolkata	8.79/10	2018-2022
Senior Secondary	South Point High School	78.6%	2018
Secondary	South Point High School	87.4%	2016

EXPERIENCE

- Siemens Technology and Services** Aug. 2024 – present
Intern - Technical Bangalore
– Developing novel frameworks for testing systems with multiple Deep Learning models.
- Tata Consultancy Services** Jul. 2022 – Aug. 2023
Assistant System Engineer Kolkata
– Created and maintained scripts for deployment and migration processes in production environments, streamlining processes for client-side CRUD operations on large scale Enterprise-grade Oracle databases.

PROJECTS

- Benchmarking Bias in Multilingual LLMs - NishpakshBench** Jun. 2024
Datasets used: IndiBias, CrowS-Pairs. Tools used: Multilingual LLMs. (Presentation)
– Generated Benchmark scores for **5** popular Multilingual Language Models on a Data Corpus of **500+** sentences in the Indian context in order to determine degree of Bias across different models.
- Visual Question Answering using Transformer Models** Mar. 2024
Dataset used: MSCOCO. Tools used: HuggingFace, BERT, ViT, PEFT, LoRA. (Report)
– Created a fine-tuned Late Fusion transformer model that provides answers to questions based on contextual images.
- End-to-End Microservices Testing** Nov. 2023
Tools used: Postman, Docker Compose, Podman. (Source Code)
– **5** scenarios were end-to-end tested for an existing e-commerce platform and discovered **1** usability bug.
- Web Scraping for Amazon products** Mar. 2023
Tools used: BeautifulSoup, Requests, Pandas. (Source Code)
– Created a dataset containing **60+** product details from Amazon with corresponding **5000+** user reviews containing multilingual data and emojis.
- Exploratory Data Analysis of 4000 Movies** Sep. 2020
Tools used: Matplotlib, Seaborn, Numpy, Pandas. Dataset used: TMDB. (Notebook)
– Conducted exploratory and graphical analysis of data from **4000+** movies.

TECHNICAL SKILLS

- Programming:** Python (Numpy, Matplotlib, Tensorflow, Keras, PyTorch), C/C++, Java, Lua, SQL, HTML/CSS
- Tools/Environments:** SQLite, MongoDB, Postman, Docker, PowerShell, \LaTeX , Git/Github, Windows, Linux/Unix, Canva, Bash, Vim/Nano

KEY COURSES TAKEN

- Relevant Courses:** Maths for Machine Learning, Machine Learning, Software Testing, Visual Recognition
- Certifications:** Python for Everybody Specialization (University of Michigan); Data Analysis with Python: Zero to Pandas (Jovian); AI For Everyone (DeepLearning.ai); Google IT Automation Professional Certificate (Google); Machine Learning Specialization (Stanford)

POSITIONS OF RESPONSIBILITY

- Samvaad**, Organizer, Volunteer Jan. 2024 - present
- Astronomy Club**, Organizer, Outreach and Core Committee Oct. 2023 - present
- IIIT-B Alumni Committee**, Committee Member, Outreach and Alumni Database Sep. 2023 - present

EXTRACURRICULAR / LEADERSHIP

- Communities**, Cohere for AI Open Science Community, Google Developer Group Kolkata
- Workshops**, Devfest Kolkata (2023), Present and Future Computing Systems Workshop @ IISc (2024)
- Summer Schools**, ACM Summer School on Responsible and Safe AI at IIT Madras (2024)