SAYANTAN ROY

LinkedIn | Github | +91-7033560587 | itsroysayantan@gmail.com

SKILLS

- Python, Java, C, C++, SQL, HTML, CSS, Javascript, Bootstrap, Git, Github, PyTorch, TensorFlow
- Data Structures and Algorithms, Operating Systems, OOP, Machine Learning, Computer Vision, DBMS
- Frontend, Backend, English, Hindi, Bengali - All professional proficiency or above

EXPERIENCE

Lead Developer — **Visual Computing Research Community SRM** — **02/2024 - Current**

- Developed ML/DL models and worked on Computer Vision projects.
- Showcased projects and equipment during NAAC and company visits; oversaw recruitment for a new club under the community.

Associate Lead Content Domain — **dBug Labs SRM** — **11/2023 - Current**

- Created and managed website and promotional content for the club, enhancing user engagement, visibility, and boosting funding and advertising efforts.

Content Domain Member — **Github Club SRM** — **10/2023 - Current**

- Authored technology-related articles for the club's medium page, including an in-depth piece on the XY Utils Linux backdoor.

Creatives Domain Member — **TEDXSRMIST** — **10/2023 - Current**

- Organized and managed the Eunoia event for TEDxSRMIST, coordinating with diverse speakers on impactful TED Talks covering data analysis in sports, music therapy, brain-machine interfaces, and more.
- Developed and curated content for the Eunoia event, ensuring engaging presentations that enriched the audience's knowledge and experience on diverse topics.

EDUCATION

Bachelor of Technology — **SRM Institute of Science and Technology** — **9/2022 - Current**

- Major in Computer Science Engineering

PROJECTS

Senti-Mapping: Twitter-Based Emotional Analysis Platform | Python, Flask, Transformers **(08/2024)**

- Developed Senti-Mapping, a web app that integrates with Reddit, performing multi-layer NLP sentiment analysis on users' post history to provide therapists with detailed emotional insights, enabling data-driven therapy sessions through interactive visualizations and video calls, while also supporting traditional therapeutic methods.

Handwriting Detection Model | Python, Flask **(06/2024)**

- Implemented a neural network handwriting detection model in Python, achieving high accuracy on the MNIST dataset through advanced deep learning techniques.

Self Driving car simulation | Python, Python-NEAT **(04/2024)**

- Engineered a self-driving car simulation in Python using Python-NEAT, enabling autonomous navigation with dynamic route optimization.

Covid-19 Prediction and Detection Model | Python, Flask **(02/2024)**

- Developed a deep learning model using lung X-rays to accurately predict and detect COVID-19, pneumonia, and cold cases through advanced image processing techniques.