

Anuraaga Nath

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Summary:

Data Science Master student with Machine Learning, Deep Learning, and Data Analytics expertise. Experience in Research works in different teams.

Experience:

Machine Learning Intern

Suvidha Foundation | Aug-Sep, 2023

Tech Stack: Pytorch, GitHub

- Engineered a text summarisation model in PyTorch achieving a 49% ROUGE-1 score using the BART-L model.
- Following the research paper, the model received a better cosine similarity score of 42%.
- Successfully tested the model using different text inputs.

Projects:

[[GitHub](#)] Resale Price Prediction Webapp | BPPIMT, Kolkata | Dec 2023

Tech Stack: Scikit-Learn, Flask, HTML, CSS, Docker, Git.

- Engineered Car and Motorcycle resale price prediction model using Scikit-Learn framework.
- Successfully achieved 90%+ prediction score in respective models.
- Engineered a web application using Flask with Bootstrap, HTML, and CSS.
- Successfully deployed the web application using Docker.

[[Details](#)] Modern Lift System using PLC | HIT, Kolkata | 2022-23

Tech Stack: Siemens Simatic Manager S7 Pro

- Engineered 20+ ladder logic functions to achieve precise lift car positioning, efficient braking system, and emergency protocols.
- Successfully conducted extensive simulations testing across 20+ scenarios(including fault situations) to ensure flawless 3-floor system operations.
- Effectively led 4 team members to work along with the project to finish within the deadline.

Skills:

- **Python:** Numpy, Pandas, Matplotlib, Scipy, Seaborn, Plotly
- **Machine Learning:** Scikit-learn
- **Deep Learning:** Tensorflow, Keras, PyTorch
- **Database:** MySQL
- **Frontend:** HTML, CSS, Flask
- **Visualization:** PowerBi
- **Tools:** Git, Docker

Participations:

[[Book of Abstract](#)] 1st International Conference on Intelligent Computation and Analytics on Sustainable Energy and Environment, 2023

GKCIET, Maldah | SERB, Govt. of India (sponsored) | Sep 21-23, 2023

- Effectively presented the research paper to the panellists.
- Successfully got approval for my research paper on “Comfortable and Safe Elevator System with Emergency Features and Smooth Braking using PLC” to be published in CRC Press.

Education:

B. P. Poddar Institute of Management and Technology (BPPIMT), Kolkata

Masters in Data Science | Aug 2023 - Current

Heritage Institute of Technology (HIT), Kolkata

Bachelors in Electrical Engineering | Aug 2020 - July 2023