Anuraaga Nath

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# SUMMARY



Data science and machine learning enthusiast with academic background in electrical engineering and passion for solving real-world problems using data. Pursuing Masters in Data Science and gained internship experience at a nonprofit organization applying machine learning concepts. Seeking opportunities to advance career as a data scientist and collaborate on projects. Currently open for remote internships.

# PROFESSIONAL EXPERIENCE

**Suvidha Foundation**, Remote, Nagpur Aug – Sep 2023

## Machine Learning Intern

* Developed a summarization model in PyTorch achieving 49% ROUGE-1 score.
* Produced multiple summaries using beam search sampling for custom length summaries and achieved 42% cosine similarity score.
* Analyzed model performance through varying hyperparameters like batch size, learning rate, epochs and optimizer to improve ROUGE and similarity scores.

# PROJECT

**Heritage Institute of Technology, Kolkata** 2022- 2023

## Project Lead, Modern Lift System using PLC

* Managed full project lifecycle with 5-member team within allotted budget and timeline.
* Programmed 20+ ladder logic functions in Step 7 to achieve precise car positioning, efficient braking system, and emergency protocols
* Conducted extensive simulations testing across 10+ common scenarios to ensure flawless 3-floor system operations under varied conditions and fault situations
* Trained 4 team members on PLC programming and wiring concepts to aid project development.

# EDUCATION

**B. P. Poddar Institute of Management and Technology,** Kolkata, WB 2023-2025

Master of Technology, Data Science

* Relevant Coursework: Machine Learning, Statistics, Deep Learning, Data Analytics

**Heritage Institute of Technology,** Kolkata, WB 2020-2023

Bachelor of Technology, Electrical Engineering

* Relevant Coursework: Power System, DSP, Control Systems, Microcontrollers, Electrical Machines
* GPA: 9.37/10

# SKILLS

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# Data analysis: NumPy, Pandas, Matplotlib, SciPy, Seaborn, Plotly, SQL

# Machine Learning: Scikit-Learn, TensorFlow, PyTorch

# Database: Relational Database, MySQL, SQLite

# Languages: Python, R, SQL, HTML, CSS, Java

# Version Control: Git, GitHub

# Others: Simatic Step7 Simatic Manager (PLC)