

# ANURAAGA NATH

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## SUMMARY

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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

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**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

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**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

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**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)