



Saanchi Gupta

Roll No.:230108073

B.Tech - Major - Electrical and Electronics Engineering

Minor in Computer Science and Engineering

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Github

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EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech	Indian Institute of Technology, Guwahati	8.48 (Current)	2023-Present
Senior Secondary	CBSE Board	96.8%	2022
Secondary	CBSE Board	96.2%	2020

PROJECTS

- Game Theory** August 2024
Finance and Economics Club, IIT Guwahati Github
 - Conducted an in-depth analysis of **strategic decision-making** through two game theory scenarios:
 - Resource Allocation Challenge**: Focused on water distribution.
 - Monopoly vs. Competition**: Explored market dynamics between monopolists and new entrants.
 - Explored key concepts including **Nash Equilibrium** and **dominant strategies** to evaluate optimal decision-making in resource management and competitive market scenarios.
 - Leveraged **Python** with libraries such as **NumPy** and **Matplotlib** to perform simulations, analyze data, and visualize game theory models effectively.
- Krack The Hack** September 2024
Consulting and Analytics Club, IIT Guwahati Github
 - Developed a machine learning pipeline for analyzing hotel reviews and booking website data during a hackathon.
 - Utilized **SentimentIntensityAnalyzer** for sentiment analysis, **LDA** for topic modeling, and a **Random Forest Classifier** for clustering and prediction.
- Jigsaw Multilingual Toxic Comment Classifier** Ongoing
Kaggle Competition Github
 - Developed a **multilingual comment classification** system as part of the Jigsaw competition, leveraging advanced natural language processing techniques.
 - Implemented the **BERT model** to classify toxic comments across multiple languages, addressing challenges in sentiment detection and language diversity.
 - Utilized **Python** with libraries such as **Transformers**, **Pandas**, and **scikit-learn** for data preprocessing, model training, evaluation, and performance optimization.

SKILLS

- Programming**: Python, Python Libraries (Numpy, Matplotlib, Pandas), C/C++, Javascript*
- Web Technologies**: HTML, CSS
- Data Science**: Deep Learning, ML Algorithms, Hyperparameter Tuning, NLP
- Non Technical**: Product Management, Financial Markets, Consulting

KEY COURSES TAKEN

* Elementary proficiency

- Mathematics**: IIT-G: Single and Multi-Variable Calculus, Linear Algebra, ODE, PDE
- Finance**: Stock Trading Course (Mohsen Hassan), Fundamental Analysis Bootcamp (FEC, IIT-G)
- Technical Skills**: Summer Analytics (ML Course by C&A IITG), IICPC Summer Camp, Headstart (Introduction to Basic C++)

ACHIEVEMENTS

- JEE Advanced 2023**, Among top **4 %** among 0.25 million candidates appearing for the test 2023
- JEE Mains 2023**, Among top **1.63 %** among 1.1 million candidates appearing for the test 2023
- MnAnalyse**, Secured **2nd** position in a case study competition conducted by FEC, IIT Guwahati 2024
- Branch Upgrade**, Ranked in the top **10 %** of my department and transitioned from CL to EEE. 2024

POSITIONS OF RESPONSIBILITY

- Associate**, Finance and Economics Club, IIT Guwahati Jun 2024 – Present
- Executive**, Technical Board, IIT Guwahati Aug 2024 – Present
- Executive**, Social Service Club, IIT Guwahati Jun 2024 – Present
- Executive**, Literary Society, IIT Guwahati Jun 2024 – Present