

Rupam Ghosh

Bhagyabantapur,

Barasat, Kol-128

Phone - 8670108063

e-mail - rupamgh32@gmail.com

LinkedIn - <https://www.linkedin.com/in/rupam-ghosh-162593273/>

GitHub - [rupamghosh2006 \(Rupam Ghosh\) \(github.com\)](https://github.com/rupamghosh2006)

A highly motivated and detail-oriented individual with a strong foundation in programming languages like Java, Python, and C++. Skilled in database management systems like MySQL and PostgreSQL, with expertise in Python technologies including file management, data analysis using pandas, and data visualization with matplotlib and seaborn. Seeking an opportunity to apply and further develop my skills in a dynamic and challenging environment.

Education

Netaji Subhas Engineering

Bachelor of Technology in Information Technology (Expected Graduation: **2028**)

Technical Skills

Programming Languages: Java, Python, C++

Database Management: MySQL, PostgreSQL

Python Technologies: File Management, Pandas, Matplotlib, Seaborn, Linear Regression

Projects

Smart Phone Price Prediction Model

Brief description: Led a team in developing a machine learning model to predict smartphone prices based on features such as brand, RAM, storage, battery capacity, camera specifications, and screen size. The project involved gathering a dataset of over 3,000 smartphone entries from various online sources. As the team leader, you coordinated tasks among team members, ensured timely progress, and oversaw the overall development. You also took on the role of tester, rigorously testing the model for accuracy and performance.

Technologies used: Python, pandas, matplotlib, seaborn, scikit-learn, linear regression, Jupyter Notebook.

Role: Team Leader and Tester. Responsible for project management, testing the model for accuracy, and ensuring the quality of the final product.

Key achievements:

- Achieved a prediction accuracy of **85%** on the test dataset.
- Reduced the model's mean absolute error (MAE) by **20%** through rigorous testing and hyperparameter tuning.
- Increased the R^2 score by **15%** by identifying and addressing key performance bottlenecks during the testing phase.
- Successfully led the team to complete the project within the given timeline, ensuring high standards of work and collaboration.
- Presented the project at my high school seminar, earning positive feedback for leadership and the model's practical application.