

# ANKIT GHOSAL

Coding Enthusiast

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📍 IEST Shibpur

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## SUMMARY

2nd year undergraduate Student at IEST Shibpur. Skills in C, C++, and Python. Strong foundation in DSA, mathematics, and statistics, now exploring machine learning applications. Open to internships and projects in technology and engineering. Let's connect!

## EXPERIENCE

07/2024 – Present

### Member

Howrah, India

*ELECTRICAL ENGINEERS' SOCIETY, IEST, Shibpur*

- Participated in technical workshops and department activities.
- Assisted in organizing academic events and peer mentoring sessions

10/2023 – Present

### Member

Howrah, India

*CodellEST- The Official Coding Club of IEST Shibpur*

- Contributed to open-source coding initiatives.
- Participated in coding contests and hackathons..

## EDUCATION

08/2023 – 06/2027

### Bachelor of Technology - BTech, Electrical Engineering

*Indian Institute of Engineering Science and Technology (IEST), Shibpur*  
8.57/10

10/2021 – 03/2023

### Higher Secondary

*Jodhpur Park Boys' School*

## Skills

Languages: C, C++, Python

Concepts: Data Structures & Algorithms, OOP, Machine Learning, IoT

Tools & Libraries: Pandas, NumPy, Matplotlib, Seaborn, MATLAB, Blynk ,streamlit,fastapi

Platforms: GitHub, VS Code, Google Colab

## CERTIFICATIONS

### Google Cloud Skill Boost

Completed hands-on labs on AI-driven data analytics, covering BigQuery, Looker Studio, and Vertex AI on Google Cloud.

### Machine Learning Regression

Learn different techniques of regression models with intuitive techniques in this Google Program

### Data Analysis With AI

Learned data analysis fundamentals using Python, NumPy, and AI techniques to extract insights from structured datasets.

### Machine learning MATLAB

Completed hands-on training on supervised and unsupervised ML models using MATLAB tools.

### Google Developer Program

Engaged in Google developer communities and technical programs focused on real-world problem-solving.

## PROJECTS

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### **IOT Based Smart Energy Meter**

- Built a real-time energy monitor using ESP32 and Blynk App.
- Displayed voltage, current, power, and energy data live via Wi-Fi.
- Achieved 90% measurement accuracy with calibration.

### **Backtracker**

- Built a Python app to generate and solve 500+ puzzles.
- Implemented visualizations of solving steps using backtracking.
- Added difficulty levels and instant solution support.

### **Data Visualization and Generation**

*Technologies: Python, Matplotlib, Seaborn, Pandas*

- Cleaned and visualized different kaggle datasets using Python.
- Used Pandas, Matplotlib, and Seaborn to create interactive charts.
- Identified patterns and trends through statistical analysis.