

Ankit Ghosal

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PROFESSIONAL SUMMARY

Pre-final year B.Tech student at IEST Shibpur with strong problem-solving skills, deep understanding of data structures and algorithms, and hands-on experience in scalable ML and IoT projects. Proficient in C++ and Python with proven efficiency in competitive programming and system design. Seeking a Summer 2026 Software Engineering Internship to build impactful, production-ready systems in a high-performance tech team.

EDUCATION

- **IEST Shibpur** Aug 2023 – Jun 2027
B.Tech in Electrical Engineering
CGPA: **8.57 / 10**
- **Jodhpur Park Boys' School, Kolkata** 2021 – 2023
Higher Secondary (WBCHSE), **90.4%**

PROJECTS

- **Jarvis AI – Voice Assistant** [GitHub]
Python, SpeechRecognition, pyttsx3
Developed a desktop assistant executing 100+ voice commands for task automation, search, and Wikipedia queries; reduced daily routine time by **40%** in user tests.
- **IoT-Based Smart Energy Meter** [GitHub]
ESP32, Embedded C, Python, Blynk
Built a Wi-Fi-enabled energy meter with **90%+** reading accuracy and real-time cost estimation; deployed live dashboard for appliance-level usage and alerts.
- **Mental Health Chatbot** [GitHub]
Python, Streamlit, NLP
Designed an anonymous mental wellness chatbot using sentiment classification (**80%+** accuracy); used by **30+** campus users for emotional support.

EXPERIENCE

- **Data Science Intern — CodSoft (Remote)** Jun 2025 – Jul 2025
 - Trained and tuned classification/regression models (Random Forest, Decision Tree) achieving **85%+** accuracy using **Scikit-learn**.
 - Conducted EDA and feature engineering on real datasets to extract actionable insights.
 - Created interactive plots using **Pandas** and **Matplotlib** to support decision-making.
- **Core Member — CodellEST (IEST Coding Club)** Oct 2023 – Present
 - Reviewed and merged **10+** GitHub pull requests in open-source and club projects.
 - Ranked top 5 in internal contests; mentored juniors in LeetCode and CP strategies.

ACHIEVEMENTS

- **CodeChef 3-Star (1669)** — Global Rank **57** in Starters 193.
- Solved **200+** problems on LeetCode; consistent weekly contest participation.
- Finalist — **Samsung Solve for Tomorrow 2025**, presented tech-based social innovation.
- Finalist — **InnoFusion Hackathon**, prototyped a scalable smart city solution.
- **Campus Ambassador**, GirlScript Summer of Code 2025.
- Active participant in **Google Developer Group Kolkata** community meetups.

TECHNICAL SKILLS

- **Languages:** C, C++, Python, MATLAB
- **Libraries/Frameworks:** NumPy, Pandas, Scikit-learn, Matplotlib, Streamlit
- **Tools/Platforms:** Git, GitHub, VS Code, Jupyter, ESP32, Blynk
- **CS Fundamentals:** Data Structures, Algorithms, OOP, System Design, ML
- **Electrical:** Circuit Analysis, Sensors, Microcontrollers