

Apabrita Sarkar

📍 Sodepur, 700110, West Bengal ✉ apabrita0403@gmail.com ☎ +91 9476295470
🌐 <https://github.com/ApabritaSarkar> 🌐 www.linkedin.com/in/apabritasarkar

PROFESSIONAL SUMMARY

Enthusiastic Computer Science undergraduate skilled in **programming, full-stack development, and AI & ML**. Experienced in building scalable applications and innovative projects like a **Crowd Management System. Smart India Hackathon 2024 Grand Finalist**, with strong problem-solving and teamwork abilities, seeking opportunities to create impactful solutions.

SKILLS

- Programming - C | C++ | Python | Java
- Backend Development - NodeJS | ExpressJS | API
- Libraries & Frameworks – React | jQuery | Bootstrap
- Databases – MySQL | MongoDB
- Version Control – Git | GitHub
- Operating System – Windows | Linux
- Software Development
- UI/UX - Figma | Canva
- Soft skills - Problem solving | Communication and teamwork | Adaptability | Design thinking and innovation | Time management

EDUCATION

University of Engineering and Management, Kolkata

2022-2026

B. Tech in Computer Science and Engineering

- CGPA: 8.52 (up to 5th Sem)
- **Coursework:** Data Structures and Algorithms, Object Oriented Programming, Computer Architecture, Operating System, Database Management System, AI & ML, Computational Theory, Cyber Security

EXPERIENCE

Grand Finalist, Smart India Hackathon, 2024

National level Hackathon conducted by AICTE and MIC

- Collaborated with a team of six to design and implement a Crowd Management Surveillance System for large gatherings.
- Presented the project to industry experts and government officials, receiving recognition for innovation and technical excellence.

PROJECTS

Crowd Management Surveillance System

Oct-Dec 2024

- Developed an AI-powered solution that detects crowd, identify missing persons, send alerts to a centralized communication hub.
- Achieved 85% detection accuracy for crowd and reduced response time for missing person identification by 90%.
- Technologies used: MERN stack, Python and its frameworks/libraries, Flask, Axios, Git, GitHub

Student Management System

Jan-Mar 2024

- Developed a comprehensive platform to streamline examination and grading processes for academic institutions.
- Implemented automated grading that reduced manual errors by 90% and improved processing speed by 40%
- Technologies used: HTML, CSS, JS, PHP, MySQL, Git, GitHub

ACHIEVEMENTS & ACTIVITIES

- Project making competition 2024 UEMK
- Flipkart GRiD 6.0
- NITS HACKS 7.0 – UI/UX Track
- Hackfest 2024 UEMK
- Project making competition 2022 UEMK

TRAINING

Master Diploma in Desktop Publishing

Rastriya Youth Computer Centre, Krishnagar

2020-2021

CERTIFICATES

- Google Cybersecurity Professional Certificate - 'Foundations of **Cybersecurity**'
- Career Essentials in **Generative AI** by Microsoft
- **Git** Essential Training by LinkedIn
- Google IT Support Professional Certificate – '**Operating Systems**: Becoming a Power User'
- Google Project Management Professional Certificate – 'Foundations of **Project Management**'
- Meta Database Engineer Professional Certificate – **Database** Structures and Management with MySQL
- Introduction to **Soft skills** by TCS ion

KEY STRENGTHS

- Proactive problem solver
- Highly adaptable
- Team oriented
- Innovative thinker
- Empathetic leader