




AMARNATH GHOSH

Kolkata, West Bengal

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EDUCATION

Sister Nivedita University, Kolkata

2022 – 2026

Bachelor of Computer Science and Engineering CGPA: 7.03

Kolkata, West Bengal

Courses: Data Structures, Operating Systems, Computer Networks, Object Oriented Programming, Database Management System

EXPERIENCE

Employability.life 

September 2024 – November 2024

Role - Experiential Learner

Remote

- Developed expertise in **Cybersecurity** and **API testing** through a hands-on project focused on securing and validating **RESTful APIs**, ensuring robust protection and functionality
- Conducted comprehensive **API Testing** using **Postman** and **curl**, identifying vulnerabilities and optimizing endpoint performance to enhance system reliability and performance to enhance system reliability.
- Proficiently utilized **Linux environments** for scripting, server configuration, and security testing, strengthening commandline skills and deepening system-level knowledge. .

SKILLS SUMMARY

Languages: C, C++, JavaScript

Web Development & Frameworks : HTML, CSS , React.js, Node.js, Express.js

Database : SQL, MySQL, MongoDB

Tools: GitHub, VS Code, Postman, Firebase, MS Excel

AI/Automation: Gemini AI, OpenAI APIs

PROJECTS

SheConnect  | [HTML, CSS, JavaScript, Firebase Authentication](#)


APR 2025 - Present

- Engineered a women's networking platform with real-time chat and secure authentication to foster seamless and inclusive community engagement.
- Designed and implemented frontend and backend using **HTML, CSS, JavaScript**, and **Firebase**, ensuring robust database integration and user authentication.
- Enhanced mentorship opportunities for women by enabling secure, user-friendly interactions, promoting an inclusive and supportive networking environment.

MediTrack  | [HTML, CSS, JavaScript, Firebase Authentication](#)

Jun 2025 – Present

- Developed a real-time medicine tracking platform to connect users with pharmacies and manage near-expiry inventory, improving accessibility and efficiency
- Utilized **HTML, CSS, JavaScript**, and **Firebase** for frontend development, authentication, and database integration, delivering a streamlined user experience
- Optimized medicine availability and reduced inventory waste through **automated stock alerts** and **intuitive search** functionalities.

Study Buddy  | [HTML, CSS , JavaScript, Firebase Authentication](#)

Jul 2025 – Present

- Developed **Study Buddy**, a real-time, web-based learning platform aimed at helping students connect, collaborate, and solve academic queries through live QA sessions and curated educational content.
- Implemented dynamic content rendering and interactivity using **HTML, CSS**, and **JavaScript**, enabling seamless navigation, instant feedback, and a highly engaging user experience.
- Integrated **Firebase Authentication** to manage secure **user sign-ups** and **logins**, ensuring a personalized experience for each student while maintaining data privacy and access control.

CERTIFICATIONS

- **Hackerrank Certifications:** Advanced SQL, CSS, and Rest API.
- **Employability.life Certifications:** Cybersecurity - Security Testing of a Vulnerable API.
- **IBM Certifications:** Introduction to Data Analytics and People and Soft Skills for Professional and Personal Success.
- **University of Colorado Boulder Certifications:** The Structured Query Language (SQL).