Sayan Ghosh

Linkedin, GitHub, LeetCode, CodeForces, Gmail,+91 8274988289

EDUCATION

VIT Bhopal University (Bhopal, India)
B. Tech in Computer Science & Engineering (Core) (CGPA : 8.25)   **September, 2023 – May, 2027**
Chandernagore Sri Aurobindo Vidyamandir (West Bengal, India)
Class 12 : 87.2 % | Class 10 : 87.4%   **March, 2020 – July, 2022**

TECHNICAL SKILLS

Programming Languages:	Python, C++, JAVA, HTML, CSS, JavaScript, Rust, Golang.
Web & Blockchain Development:	Flask, Tkinter, Next.js, Node.js, Redux.js, Chrome Extension API, Django.
Blockchain & AI Tools:	Hardhat, Foundry, Solana, Web3.js, Ether.js, Google Gemini API, Restful APIs.
Development Tools:	Git, GitHub, VS Code, Jupyter Notebook, FireBase Studio.
Databases:	MySQL, MongoDB, PostgreSQL.
Core Technical Areas:	Data Structures & Algorithms (DSA), Object-Oriented Programming (OOP), Backend Development, Blockchain,

CERTIFICATIONS

Certification Name	Issuing Organization	Completion Date
Blockchain & It's Application	NPTEL (IIT-Kgp)	May, 2025
Machine Learning	NPTEL (IITM)	May, 2025
Fudamentals of AI & ML	VITYARTHI	March, 2025
Programming in Java	VITYARTHI	February, 2025
Ethereum & Solidity : The complete Developer's Guide	UDEMY	December, 2024
The Bits & Bytes of Computer Networking	COURSERA	November, 2024
Python Essentials	VITYARTHI	December, 2023

PROJECTS

Blockchain based e-voting system using solana   **September, 2025**
Tech Stack: Rust, Typescript, Reac.js, Solana.
- Engineered a voting system that prevents fraudulent voting, using the fundamental concepts of Blockchain
- A real time web-app that relies on fast paced solana blockchain to ensure fair and fast voting.
- Rust has been used in the backend which implements the voting logic efficiently and helps in smooth voting.

Hospital Recommendation & OPD Booking system   **September, 2024 – December, 2024**
Tech Stack: HTML, CSS, JavaScript, React.js, Node.js, Express.js, MongoDB.
- Designed a web app which uses real time location of the user and recommend nearest hospital in case of emergency or any other needs or help in OPD booking as per input given by the user.
- It also has feature in OPD booking that, whenever a booking gets cancelled, the next one in the queue is automatically sent a notification about the availability and if the payment is done after that, a token is generated, which confirms the booking.

Full Stack Practice Website   **Completed**
Tech Stack: Flask, HTML, CSS, JavaScript, MySQL
- Built a secure full-stack web application implementing JWT-based authentication with Flask backend and responsive frontend using HTML5, CSS3, and JavaScript.
- Integrated a MySQL-backed database ensuring optimized query execution and secure user data management.

Portfolio Website   **Completed**
Tech Stack: HTML, CSS, Next.js, JavaScript, Vercel .
- Designed and deployed a fully responsive personal portfolio website showcasing technical skills and projects.
- Implemented CI/CD automation through GitHub Actions, enabling rapid and seamless site updates.

CO CURRICULAR

General Secretary *(Dishari – The Bengali Club, VIT Bhopal)*   **September, 2024 – August, 2025**
- Contributed in smooth administration & management leading to a massively successful event which involved around 550+ people. Controlled and kept check on every financial transactions as well as dealing with every financial deals and bringing in sponsorships for the event and making it a successful and memorable one.

ACHIEVEMENTS

- Achieved Silver + Elite certification on 2 NPTEL courses. (Machine Learning (IITM) & Blockchain & It's application (IIT – Kgp)).
- **5-star** in Python, C++ , Java & Python, **4-star** in SQL on **HackerRank**.
- Completed 6+ certifications in Java, Spring, DSA & Blockchain Development using recent technologies.

ADDITIONAL INFORMATION

- **Hobbies**: Learning new skills (currently learning DSA, Blockchain Development & Developing Backend with different optimized & robust architectures), Listening to Music, Watching football games and writing tactical analysis of football matches as a blog.
- **Languages**: English, Bengali, Hindi, German (Learning).