

Dhrubojoyoti Bhattacharjee

+91 7980347474 | dhrubojoyoti73@gmail.com | [in Dhrubojoyoti Bhattacharjee](https://www.linkedin.com/in/Dhrubojoyoti Bhattacharjee) | [dhrubooou](https://github.com/dhrubooou)

PROFESSIONAL SUMMARY

B.Tech Computer Science student with a strong foundation in data structures, algorithms, and full-stack development. Solved 50+ DSA problems on [LeetCode](#), earned 5 star in Python on [HackerRank](#), and built scalable AI-based and web projects. Finalist in Smart India Hackathon (Top 3) and multiple national hackathons. Eager to contribute to SDE roles with a passion for building impactful, production-ready software.

EDUCATION

- University of Engineering & Management, Kolkata** August 2021 - August 2025
Bachelor of Technology
◦ GPA: 8.54/10.00 Kolkata, India
- B.D.M.International** July 2021
Class 12, CBSE
◦ Percentage : 82% Kolkata, India
- B.D.M.International** May 2019
Class 10, CBSE
◦ Percentage : 88% Kolkata, India

SKILLS

- Programming Languages:** Python, C, JavaScript
- Database Systems:** My SQL, PostgreSQL.
- CS Fundamentals:** Data Structures and Algorithms, Database Management Systems, Computer Networks, Operating Systems, Software Design Principles, Object-Oriented Programming.
- Web Technologies:** HTML5, CSS, JavaScript, Node.JS, React.JS, Express.JS, RESTful APIs.
- Soft Skills:** Strategic Thinking, Communication, Data-driven Decision Making, Problem-Solving
- Other Tools:** Git, GitHub Actions, VS Code IDE, Postman.

PROJECTS

- Jaison Voice Assistant:** April 2025
Tech Stack : Python, OpenCV2, MediaPipe, SpeechRecognition, Pytsx3, SMTP, Twilio, Spotify API, Ollama LLM
◦ Built an AI-powered voice assistant with gesture control using OpenCV and MediaPipe, enabling hands-free system automation and accessibility.
◦ Integrated Ollama LLM and Spotify API to support natural conversation and mood-based music recommendations via sentiment analysis.
◦ Automated key system workflows like email, file handling, and Wikipedia search using Python and NLP, reducing manual effort by 80%.
- News Feed Website:** April 2023
Tech Stack : HTML, CSS, News APIs, JavaScript
◦ Engineered a responsive, real-time news aggregator with a multi-tiered architecture, async API calls, and caching to reduce API usage by 30% and boost performance.
- Scalable Traffic Signal Object Detector:** April 2022
Tech Stack : Python, Open-CV, AI
◦ Designed a distributed AI-powered traffic violation detection system using Python and OpenCV, optimizing algorithms for 25.76% faster processing while ensuring scalability, modularity, and fault tolerance.

HACKATHONS

- Finalist – HackSpire 2024 | Web Developer** September 2024
◦ Developed an AI/ML-powered inventory and supply chain management system for retail and pharmaceuticals, along with a comprehensive website for seamless integration and efficiency.
- Finalist – Innofusion 1.0, UEM Kolkata | Developer** July 2024
◦ Built an AI/ML-based inventory and supply chain system with an integrated website for retail and pharma.
- Finalist (Top 3) – Smart India Hackathon 2023 | ML Developer** December 2023
◦ Developed an AI system for detecting individuals buried under avalanches and contributed to various project components.

CERTIFICATIONS

- Data Structures and Algorithms** Udemy
- Design and Analysis of Algorithm** Udemy
- Full Stack Web Development** Udemy
- Deloitte Australia - Technology Job Simulation** Deloitte Australia (Forage)