

SHUBHENDU CHAKRABARTI

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EDUCATION

Galgotias College of Engineering and Technology

2023 - 2027

B.Tech in Artificial Intelligence & Machine Learning

Nutan Vidya Mandir, Dilshad Garden

2022 - 2023

Class XII

EXPERIENCE

Code Core Global

Jul 2025 – Sep 2025

Remote

Web Development Intern

- Contributed to backend feature development for a MERN-based marketplace.
- Implemented REST API endpoints using Node.js and Express.js under guidance from senior developers.
- Integrated JWT-based authentication and role-based access control for user and admin workflows.
- Optimized MongoDB queries and improved API response handling to enhance overall application performance.
- Worked in Agile sprints, participated in code reviews, and assisted in maintaining technical documentation.

PROJECTS

UpcharSaathi – AI-Assisted Healthcare Platform

- Developed a healthcare web platform integrating OCR-based prescription digitization and symptom-based recommendation logic.
- Implemented heuristic-driven symptom analysis and chatbot assistance using Gemini API.
- Designed REST APIs for doctor booking, medical records management, and analytics workflows.
- Stack: ReactJS, NodeJS, Python, OCR Pipelines, Gemini API, MongoDB

ChargeOnTheGo – EV Charging & Battery Swap App

- Developed a full-stack cross-platform app for EV users with real-time station tracking, smart queueing, and optimized UX flows.
- Integrated **OCPP protocol** for live charger communication and implemented secure JWT-based REST APIs.
- Improved application performance using modular architecture, async state management, and geospatial data handling.
- Collaborated with a 5-member team using Agile development practices.
- Stack: React Native, Spring Boot, PostgreSQL, OCPP, JWT, Google Maps API

Navadrishti – Community Empowerment Platform

- Designed and developed a production-grade full-stack platform for managing NGO and community workflows.
- Implemented secure role-based access control (RBAC) using JWT authentication.
- Handled deployment using Docker with CI/CD pipelines on Vercel and Netlify.
- Integrated admin dashboards for workflow monitoring and analytics.
- Stack: ReactJS, NodeJS, ExpressJS, Supabase, Docker, GitHub Actions

TECHNICAL SKILLS

Programming Languages: JavaScript, TypeScript, Python, Java (OOP), C, SQL

Web Frontend Development: React.js, Next.js, Redux, HTML5, CSS3, JavaScript (ES6+)

Backend Development: Node.js, Express.js, Spring Boot, REST API Design, JWT Authentication

Mobile App Development: React Native, Flutter, Google Maps SDK, REST API Integration

Databases: MySQL, PostgreSQL, MongoDB

Developer Tools & Cloud: Git, GitHub, Postman, Android Studio, Visual Studio Code, Docker, AWS (EC2, S3 – basic), Azure (fundamentals), Cloudinary

Core Computer Science Concepts: Data Structures and Algorithms, Object-Oriented Programming, DBMS Fundamentals, Authentication & Authorization

CERTIFICATIONS & TRAINING

The Complete 2024 Web Development Bootcamp by Angela Yu (Udemy)

- Completed a comprehensive, project-based full-stack web development program covering HTML5, CSS3, JavaScript (ES6+), React.js, Node.js, Express.js, RESTful API development, PostgreSQL, MongoDB, authentication systems, and application deployment workflows.

ADDITIONAL INFORMATION

- **LeetCode:** leetcode.com/codewithshxbh
- Solved **400+** Data Structures and Algorithms problems on LeetCode using Python, covering arrays, strings, linked lists, trees, graphs, dynamic programming, and greedy techniques.
- **Finalist, Ignition Hack 2025** – Presented a complete web solution (UpcharSaathi) to a panel of 12 judges; built modules for doctor booking, prescription OCR, recommendations, and heuristic-based symptom checking.
- **Semi-Finalist, Galgotias International Hackathon 2024** – Developed a mental-health chatbot using Gemini API; selected from 100+ teams.
- **Open Source Contributor, Social Winter Of Code 5.0** – Contributed to an active developer chatroom platform; collaborated with distributed teams and performed code reviews.