

MANAS DAS

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[PORTFOLIO](#)



SKILLS

LANGUAGES: C, Java, JavaScript, SQL, Python, Solidity

FRAMEWORKS & TOOLS: Docker, Github, Linux, REST API, NodeJS, Express, React, MongoDB, Postgres, Redux, Blockchain, SpringBoot, GRPC, Kafka

EDUCATION

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| ❖ Master in Computer Applications MANIT, Bhopal | CGPA: 9.6 |
| ❖ B.Sc Computer Science Honors Calcutta University | CGPA: 8.4 |
| ❖ XII (CISCE) Don Bosco School, Siliguri | 92.5% |

ACADEMIC PROJECTS

BeTheDrop – Real-time Blood Bank Management System

- Blood Inventory & Alerts: Real-time tracking of blood stock and live alerts with socket-based donor response system with donor and blood management.
- **Tools:** Vite + React.js, Node.js, Express.js, MongoDB, Redux, Tailwind CSS, Socket.IO
- **Github:** [BeTheDrop](#)

Java Microservice for Patient Management - Backend solution for scalable patient data handling

- Developed a **Java microservice** for patient management using **gRPC** and **REST** APIs.
- Containerized with **Docker** for easy deployment and scalability.
- Integrated **Apache Kafka** for real-time messaging and event-driven architecture.
- **Tools:** Java, Spring Boot, gRPC, REST, Docker, Kafka, Postgres
- **Github** - [Patient Management](#)

Life Ledger – **Blockchain-based EMR Application** - Secure, decentralized management of medical records

- Built a DApp with **Solidity** for smart contracts and **IPFS** for decentralized file storage.
- Developed the frontend in **React.js** with **Hardhat** for smart contract testing.
- Implemented **patient-centric access control** for secure data management.
- **Tools:** Hardhat, Solidity, React.js, Ether.js, IPFS
- **Github:** [Life Ledger](#)

ACHIEVEMENTS

- **1600+ rating on LeetCode; solved over 400+ problems across various platforms.**
- Participated in **Smart India Hackathon (SIH) 2024**
- Completed **IBM Skillsbuild Internship** on Web Development 2024.