

PROFESSIONAL SUMMARY

Full-stack developer experienced in **building scalable, AI-enabled applications, real-time collaboration tools, and secure authentication systems**. Skilled in Python, Java, React/Next.js, Node.js, FastAPI, MongoDB, and cloud deployment. Passionate about **creating business-centric solutions and building impactful products**.

CORE SKILLS

- **Languages :** Java, Python, C, JavaScript, SQL
 - **Frontend :** React, Next.js, Tailwind CSS, Responsive UI
 - **Backend & APIs :** Spring Boot, FastAPI, REST APIs, Microservices
 - **Databases & DevOps :** MongoDB, PostgreSQL, Redis, Docker, Git/GitHub
 - **AI / ML :** LLM Integration, Vector DB, Embeddings, Machine Learning models

INTERNSHIP EXPERIENCE

AICTE Edunet Foundation – AI & Data Analytics Intern | Aug 2025 – Sep 2025

- Conducted flood risk analysis using exploratory and feature-focused data analysis, improving actionable insights.
- Successfully completed program and received **Certificate & Letter of Recommendation**.

Future Interns – Full Stack Web Development Intern (Ongoing) | Oct 2025 – Present

- Developing portfolio website, mini e-commerce platform, and AI-powered website redesign.
- Implementing full-stack solutions with React.js, Spring Boot, and MongoDB while following professional GitHub documentation practices.

PROJECT EXPERIENCE

CodeLive – Real-Time Collaborative Coding Platform | (React, Node.js, Yjs, Socket.IO, Monaco, Redux) [GitHub ↗](#)

- Built multi-user live code editor with chat and room-based collaboration; implemented CRDT-based real-time sync and Google OAuth.

Authentication Microservice – Secure MERN Auth Service | (Express, MongoDB, JWT, Docker, SMTP Mail) [GitHub ↗](#)

- Designed secure authentication system with OTP email verification, password reset flows, and Docker-based deployment; enhanced security and scalability.

RAG ChatBot System – AI-Powered Multi-Domain Assistant | (FastAPI, Next.js, Pinecone, Gemini, Redis) [GitHub ↗](#)

- Developed 5+ domain-specific AI assistant using semantic search + LLM integration; implemented persistent chat history and credit-based query system.

EDUCATION

B.Tech – Computer Science & Engineering (Expected 2026)

Techno Engineering College Banipur (MAKAUT), Kolkata | **CGPA:** 7.0/10 (till 6th semester)

- Higher Secondary (2022) – 83.8% | Secondary (2020) – 86%

ACHIEVEMENTS & CERTIFICATIONS

- **HackerRank Gold & Silver Badges** – SQL & Java; **Software Engineer Certificate** [hackerRank ↗](#)
- **3rd Place – Smart India Hackathon (College-Level)** | Built stigma-free student psychological support system
- AWS Academy Graduate – Cloud Foundations
- Agile Software Development – OpenLearn University
- Microsoft Cloud & Networking Foundations
- Google Solution Challenge – GDG on Campus