Ashutosh Mitra

Aspiring Software Developer | Full-Stack & AI Enthusiast

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Professional Summary

Results-driven B.Sc. ITM undergraduate and aspiring Software Developer with strong foundations in Java, Spring Boot, React, and SQL, complemented by hands-on experience in AI-driven applications and full-stack system design. Proven leadership as a team lead for a 10-member real-world project, with a passion for building scalable, intelligent, and user-centric software solutions. Actively seeking opportunities to contribute to high-impact teams.

Experience

Artificial Intelligence Intern | FutureX Skills | December 2024 – Present

- Contributing to intelligent solution design and development of AI-assisted applications for next-generation learning platforms.
- Creating engaging technical learning content and practical demos to accelerate AI adoption among learners.
- Leveraging Vibe Coding practices to rapidly prototype, experiment, and improve AI-powered educational experiences.

Student Intern – Java Full Stack | Java Technocrat, Bhubaneswar | May 2024 – Present

- Designed and delivered enterprise-grade full-stack applications using Java, Spring Boot, Angular, and REST APIs.
- Completed 2000+ hours of intensive training in Core & Advanced Java (JDBC, Multithreading, Layered Architecture).
- Built a Student Management CRUD System handling 100+ records with SQL + JDBC, ensuring data integrity and scalability.
- Practiced Agile collaboration, Git-based version control, and clean coding standards.

AI & Cybersecurity Intern | Edunet Foundation | Jan 2025 – Feb 2025

- Developed an AI-powered Healthcare Chatbot using Hugging Face, NLTK, and Streamlit for real-time symptom analysis.
- Implemented a Java-based Steganography System encrypting 1000+ character payloads using LSB techniques.
- Applied industry best practices in AI, ML, NLP, and Cybersecurity with end-to-end project delivery.

Projects

SmartQ – Smart Queue & Crowd Management System | Team Lead

- Leading a 10-member development team to build a real-world full-stack system for digital queue and crowd control.
- Designed features including digital token generation, real-time queue monitoring, admin dashboards, and analytics.
- Defined system architecture, assigned modules, reviewed code, and mentored beginner team members.
- Tech Stack: Java, Spring Boot, React, MySQL, REST APIs, GitHub, Postman.

Tasty Town – Food Delivery Backend System

- Developed a scalable Spring Boot backend with secure RESTful APIs and modular architecture.
- Implemented efficient database interactions and API testing using Postman & Swagger.
- Tech Stack: Java, Spring Boot, MySQL, PostgreSQL, Maven.

AI-Enabled Healthcare Chatbot

- Built an NLP-driven chatbot for healthcare assistance using Hugging Face Transformers and Streamlit.
- Improved user interaction with real-time responses and symptom-based guidance.

Technical Skills

- Languages: Java (Advanced), TypeScript (Intermediate), Python (Basic)
- Frameworks & Libraries: Spring Boot, ReactJS, Angular
- Databases: MySQL, Oracle SQL, PostgreSQL
- AI & Data: Machine Learning, NLP, Hugging Face, Streamlit
- Tools & Platforms: Git, GitHub, Postman, Swagger, Maven, Tableau, PowerBI
- Concepts: OOP, Data Structures, REST APIs, System Design

Education

B.Sc. in Information Technology & Management | 2023 – 2026

Udayanath Autonomous College of Science & Technology | CGPA: 8.7

Certifications

- AICTE – AI for Students (Microsoft & SAP)
- Machine Learning with Kaggle
- AWS APAC – Forage Job Simulation
- Deloitte Australia – Job Simulation
- TCS iON Career Edge
- Cybersecurity Training – IBM & Edunet Foundation

Additional

- Leadership: Team Lead, Technical Mentoring, Project Planning, Collaboration
- Languages: English, Hindi, Bengali, Odia