

Shubham Mohapatra

+91-9560453860 shubhammohapatra094@gmail.com LinkedIn GitHub LeetCode

PROFILE

Final-year Computer Science student with strong proficiency in Core Java, Data Structures, and Database Systems. Hands-on experience in full-stack projects, SQL systems, and scalable backend modules. Skilled in problem-solving, Agile development, and technical communication.

EDUCATION

Kalinga Institute of Industrial Technology <i>B.Tech in Computer Science and Engineering — CGPA: 8.23 (82%)</i>	Sep 2022 – Present <i>Bhubaneswar, Odisha</i>
Relevant Coursework: Data Structures & Algorithms, Operating Systems, Database Systems, Computer Networks, Software Engineering	

Ahlcon Public School <i>Class XII (PCM)</i>	2009 – 2022 <i>Delhi</i>
-------------------------------------------------------	-----------------------------

EXPERIENCE

IDCUBE Systems <i>Software Engineer Intern</i>	May 2025 – July 2025 <i>Noida, India</i>
<ul style="list-style-type: none">Engineered a SQL-based chatbot with natural language support, enabling non-technical employees to query databases directly and improving operational efficiency by 60%.Designed and deployed a RAG pipeline using FAISS, boosting contextual accuracy in SQL query generation.Collaborated in Agile teams and delivered milestones 15% ahead of schedule, ensuring seamless integration into production systems.	
PROJECTS	

RAG Chatbot with Gemini AI	Jan 2025
<ul style="list-style-type: none">Constructed a production-ready RAG chatbot using Google Gemini AI with ChromaDB vector store and Sentence Transformers for document retrieval.Implemented multi-format document ingestion (PDF, DOCX, HTML) with persistent storage and a scalable FastAPI backend.Optimized response time to 2–3 seconds per query while maintaining high contextual accuracy with Gemini 1.5 Flash.	

AgroBuddy	Dec 2024
<ul style="list-style-type: none">Created an AI-powered mobile app for crop disease detection using CNN, achieving 90% accuracy on 20K+ images.Executed end-to-end SDLC processes, from requirements gathering to deployment on mobile platforms.Enabled farmers to reduce crop loss by 25%, demonstrating measurable real-world impact.	

TECHNICAL SKILLS

Programming Languages: Java
Operating Systems: Linux, Windows
Cloud & Distributed Systems: AWS (basic), Firebase
Backend Development: FastAPI, REST APIs
Databases: MySQL, SQLite, ChromaDB
AI/ML & GenAI: Retrieval-Augmented Generation (RAG), Generative AI, CNNs, Classification, Regression, Clustering
Web & Mobile Development: React Native, Expo , HTML, CSS
Tools & Practices: Git, GitHub, LangChain, SDLC, Agile

ACHIEVEMENTS

- Solved 250+ coding problems on LeetCode, strengthening **DSA** and **competitive programming** skills.
- Earned certifications in **Generative AI**, **Java**, **SQL**, and **Software Engineering** from Coursera and HackerRank.
- Consistently practiced coding challenges to improve **algorithmic thinking** and **problem-solving speed**.