

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

B.Tech in Computer Science and Engineering — CGPA: 8.23 (82%)

Sep 2022 – Present

Bhubaneswar, Odisha

Relevant Coursework: Data Structures & Algorithms, Operating Systems, Database Systems, Computer Networks, Software Engineering

Ahlcon Public School

Class XII (PCM)

2009 – 2022

Delhi

EXPERIENCE

IDCUBE Systems

Software Engineer Intern

May 2025 – July 2025

Noida, India

- 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

- 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

- 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**.