

Shubham Kumar

Greater Noida, UP | shubhamraj9493@gmail.com | +91 98356-43644 | LeetCode |

LinkedIn | Github

Education

G. L Bajaj Institute of Technology and Management , Greater Noida	2023 – Present
B.Tech - Computer Science (AI & ML)	CGPA: 7.6/10
Gaya College, Gaya (BSEB)	2021 – 2022
Senior Secondary (XII)	75%
R.G.N Public School (CBSE)	2019 – 2020
Matriculation (X)	86%

Skills

Programming: Java, Python
Core CS: Data Structures & Algorithms, Operating Systems, DBMS, OOPs, Computer Networks
Frontend: HTML5, CSS3, JavaScript
Backend: FastAPI, Flask, REST APIs, SQLite, JWT, SSE
Database: MySQL, PostgreSQL
AI & ML: DistilBERT, CLIP (ViT), Pandas, NumPy
Tools: Git, GitHub, Postman, VS Code, Agile/Scrum, SDLC

Projects

BLUE SIGNAL – AI-Powered Flood Response System

Python, Flask, SQLite, Docker

GitHub

- Built REST APIs in Flask with JWT authentication for a 4-member team processing real-time citizen flood reports.
- Streamed live flood hotspots to the authority dashboard via Server-Sent Events, eliminating polling.
- Designed SQLite schema and wrote queries to store and retrieve flood reports, user data, and AI classification results.

Cricket Connect – Community & Team Finder Platform

FastAPI, SQLite, SQLAlchemy, REST APIs

GitHub

- Building a cricket community platform that helps players discover cricket sessions, connect with other players, and book places while providers manage venues and sessions.
- Developed FastAPI REST APIs for user authentication, provider profiles, venues, sports sessions, and bookings using JWT-based authentication.
- Integrated PostgreSQL with SQLAlchemy to manage users, venues, sessions, sports, and booking records, including database-backed booking availability checks.

EarthquakeMapping

OOP Earthquake Visualization (UCSD Coursera Coursework) | Java, Processing, Unfolding Maps

GitHub

- Designed an abstract marker class hierarchy using the Template Method pattern to separate shared rendering logic from shape-specific drawing.
- Parsed live USGS earthquake data and rendered it on an interactive map, encoding magnitude, depth, and recency.

Achievements & Certifications

- Solved 500+ Data Structures and Algorithms problems across LeetCode (Rating: 1750), Codeforces, and GFG.
- 400+ GitHub contributions reflecting consistent daily development practice.
- IBM RAG and Agentic AI – IBM Skills Network, Coursera (2026).
- Object-Oriented Programming in Java – UC San Diego (Coursera).