

Surya Pratap Singh

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GitHub: github.com/Surya0629/HoodWise

Profile Summary

Aspiring Software Developer currently pursuing B.Tech in Data Science. Proficient in Java, Python, and full-stack web development. Strong foundation in DSA, system design, and problem solving. Consistent performer in coding platforms like LeetCode and Codeforces. Passionate about building scalable products.

Education

B.Tech in Data Science

ABES Institute of Technology, Ghaziabad - 2022 to 2026

CGPA: 6.39

Relevant Courses: Data Structures and Algorithms, DBMS, Operating Systems, OOPs

Technical Skills

Languages: Java, Python, C, SQL

Web Technologies: HTML, CSS, Bootstrap, JavaScript

Databases: MongoDB, MySQL

Tools and Platforms: Git, VS Code, Postman, Thunder Client

Core CS: Data Structures, Algorithms, OOPs, OS, DBMS, System Design (Basics)

Projects

HoodWise - Locality and Rental Insight Platform

HTML, CSS, JavaScript, Node.js, MongoDB

- Built a full-stack platform to help users explore PGs and localities based on crime rate, affordability, and amenities.
- Integrated JWT-based authentication, Google login, and dynamic filters.
- Designed reusable UI components with Bootstrap and implemented REST APIs for PG listings.

Online Medical Record Management System

Java, MySQL

- Developed a desktop application for secure patient data handling with login roles for doctors and staff.
- Enabled CRUD operations and real-time data sync using JDBC.

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Rental Area Analyzer

Python, Pandas, Matplotlib

- Analyzed rental patterns using clustering techniques and visualized key rental hotspots for students.
- Used CSV-based area datasets to generate heatmaps and trends.

Problem Solving and Competitive Programming

LeetCode: Solved 50+ problems (Arrays, Linked List, Sliding Window, Binary Search)

Codeforces, GFG, HackerRank: Regular contest participant

Strong grasp of: Recursion, Two Pointers, Hashing, Prefix Sum, Greedy

Certifications

Full Stack Web Development Program - SoftPro (Participation Certificate)

Achievements

- Shortlisted for Juspay Hiring Challenge 2025
- Completed backend integration of HoodWise with user and PG APIs
- Ranked in Top 5 percent in internal college-level coding contests