

AYUSH SINGH

Software Engineer | Backend Developer | Entrepreneur

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PROFESSIONAL SUMMARY

Results-driven Software Engineer, Entrepreneur, and AI & Data Science undergraduate with expertise in backend engineering, scalable application development, and real-world product deployment. Solved 1000+ DSA problems on CodeChef and developed production-ready platforms for local businesses through the Vellix.site startup initiative. Built and deployed full-stack restaurant ordering systems with admin dashboards, customer workflows, and real-time order management inspired by modern food chains like Domino's and McDonald's.

CORE COMPETENCIES

- Backend Development
- Full Stack Web Development
- REST API Development
- Problem Solving & Algorithms
- Scalable System Design
- Entrepreneurial Leadership
- Client Communication
- Team Collaboration

TECHNICAL SKILLS

Programming: Python, Java, SQL, JavaScript, Kotlin (Basics)

Backend & Full Stack: Spring Boot, REST APIs, MVC Architecture, Web Development

Databases & Tools: MySQL, Git, GitHub, VS Code, IntelliJ IDEA, Android Studio

Data Science & AI: Tableau, Data Analytics, Artificial Intelligence Fundamentals

PROJECTS

Vero Caffe Ordering Platform | Founder & Full Stack Developer

Built under Vellix.site startup initiative.

- Developed and deployed a production-ready restaurant ordering platform inspired by Domino's and McDonald's systems.
- Implemented customer ordering workflow, admin dashboard, and real-time order management functionality.
- Designed scalable frontend architecture and responsive UI for smooth customer experience.
- Deployed live application using Vercel for real-world business usage.

Real Estate Fractional Ownership Platform | Founder & Backend Developer

- Developing a scalable investment platform enabling fractional ownership of land, flats, and commercial properties.
- Working on backend workflows, investment logic, and scalable system architecture.

DSA & Competitive Programming Practice

- Solved 1000+ coding problems covering arrays, trees, graphs, recursion, dynamic programming, and greedy algorithms.

ACHIEVEMENTS

- Solved 1000+ DSA problems on CodeChef.
- Founder of Vellix.site startup initiative.
- Published inventor of a technical patent.

- Developed production-ready web applications for local businesses.

PATENT

Published patent focused on solving a real-world engineering problem through an innovative system-level approach.

EDUCATION

B.Tech in Artificial Intelligence and Data Science

KL University | Expected Graduation: 2028

Relevant Coursework: Data Structures & Algorithms, DBMS, OOP, Artificial Intelligence, Software Engineering

LINKS

Vero Caffe: <https://vero-caffe.vercel.app>

Vellix.site: <https://vellix.site>