

# Jaskirat Singh Chowdhary

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## Projects

### DSA Fusion

March 2025-April 2025

- Developed a full-stack DSA preparation website using React (frontend), Spring Boot (backend), and SQLite (database) to deliver an interactive learning experience.
- Implemented dynamic visualizations for key Data Structures and Algorithms concepts like Trees, Stacks, and Queues to enhance conceptual understanding.
- Integrated structured topic-wise notes and concept explanations to support both quick revision and in-depth learning of DSA topics.
- Ensured scalable RESTful API integration and responsive UI design, improving accessibility and user engagement across devices.

### Inventory Management System

Dec 2024- Jan 2025

- Built a full-stack Inventory Management System using React.js (frontend) and Spring Boot (backend) for real-time stock tracking, order management, and supplier handling.
- Designed and implemented RESTful APIs to manage core modules including product inventory, supplier data, and order processing workflows.
- Integrated JWT authentication and role-based access control (RBAC) to securely manage permissions for admin, manager, and staff roles.
- Utilized Spring Data JPA with PostgreSQL to ensure high-performance database operations and seamless inventory updates across all transactions.

### AI powered Job matcher

May 2025- June 2025

- Developed a full-stack AI resume matching system using Spring Boot (Java) for backend APIs, React.js for dynamic frontend UI, and SQLite for efficient resume/job data storage.
- Integrated OpenAI GPT API to perform intelligent semantic matching between resumes and job descriptions, returning match scores and detailed feedback.
- Implemented RESTful APIs, prompt engineering, and real-time communication between client and server to ensure fast and accurate job fit analysis.
- Designed a scalable architecture with JWT-based authentication, form validations, and clean modular codebase to optimize user experience and system performance.

## Education

### Bachelors of Engineering in Computer Science with honours IOT | Chandigarh University

June 2022 - June 2026

(CGPA: 7.31)

### Intermediate (CBSE) | Guru Harkrishan Public School, Chandigarh

April 2021 - May 2022

(Percentage: 73.5%)

### Matriculation (CBSE) The Millennium School, Raman Mandi

April 2019 - May 2020

(Percentage: 89.5)

## Technical Skills

- **Programming Languages:** C/C++, Java, Python, HTML, CSS
- **Developer Frameworks:** SpringBoot, React.js
- **Developer Tools:** VS code, Git, GitHub, Command Prompt, Maven, AWS.
- **Database Tools:** MySQL, SQLite, MongoDB.

## Interpersonal Competencies

- Multitasker
- Communication & Presentation
- Active Listening
- Teamwork oriented

## Achievements

- Attained 3<sup>rd</sup> Prize in Nx Venue Hackathon.
- Solved more than 100+ DSA questions on leet code and various platforms.
- University career training camp soft skills top performer.

## Certification

- [NPTEL Introduction to IOT](#)
- [Oracle- Cloud infrastructure and generative AI](#)