

# Anshpreet Singh

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🌐 [LinkedIn](#) | 🐙 [GitHub](#)

## SKILLS

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**Languages:** Java, SQL, C

**Technologies & Tools:** Spring Boot, Keycloak, Docker, Swagger (OpenAPI), Git, Maven, PostgreSQL, Cloudinary, Render, Netlify, Koyeb

**Database:** PostgreSQL

**Additional Skills:** REST APIs, OAuth2 Authentication, Basic System Design, CI/CD Concepts

## EDUCATION

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**PCTE Institute Of Engineering and Technology** | Punjab

July 2024 – May 2028

B.Tech. in Computer Science Engineering

**CGPA: 8.3** (First Semester)

**Academic Achievements:**

- Scored **96%** in CBSE Class 12th (2024)
- Scored **94.6%** in CBSE Class 10th (2022)

## PROJECTS

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**ChatVault - Real-time Chat Application** [[Live](#) | [Source Code](#)]

- Engineered a full-stack real-time chat application with secure messaging using Java (Spring Boot) backend.
- Enhanced an existing Angular frontend with improved UI, WebSocket connections, and deployment configurations.
- Implemented OAuth2 authentication and authorization using Keycloak for robust user management and security.
- Created scalable data architecture using PostgreSQL for message storage and Cloudinary for media file management.
- Deployed a production-ready microservices setup with backend on Render, frontend on Netlify, and Keycloak on Koyeb.
- Documented all APIs with Swagger (OpenAPI 3.0) for seamless testing and integration capabilities.
- **Tech Stack:** Java, Spring Boot, Keycloak, PostgreSQL, Cloudinary, Swagger, Docker, Netlify, Render, Koyeb

**JobNest - Job Posting Platform (Backend)** [[API Docs](#) | [Source Code](#)]

- Building a comprehensive job posting and company review platform with Java and Spring Boot.
- Implemented Role-Based Access Control (RBAC) with Keycloak for distinct admin, recruiter, and user permissions.
- Designed a modular, feature-based architecture for enhanced maintainability and scalability.
- Optimized PostgreSQL database performance and implemented production-grade deployment pipelines.
- **Tech Stack:** Java, Spring Boot, Keycloak, PostgreSQL, Docker, Git

## ACHIEVEMENTS

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- Contributed **400+ total commits on GitHub**, including **301+ in 2025 alone** (as of April), demonstrating consistent development activity and project momentum.
- Actively developing full-stack applications with microservices architecture while practicing advanced data structures and algorithms on LeetCode.
- Building a portfolio of production-ready applications with CI/CD integration, containerization, and cloud deployment strategies.