

Karan Singh J

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in karan-singh-j-14ab09204

Profile Summary

Full Stack Developer with experience in building reliable applications using Java, Spring Boot, SQL, and Python. I focus on writing clean code, improving system performance, and applying practical knowledge of Prompt Engineering and Artificial Intelligence. I enjoy solving problems, learning new tools, and contributing to teams that value clarity and quality.

Technical Skills

Languages: Java, Python, JavaScript, SQL, HTML, CSS

Frameworks / Libraries: Spring Boot, React, FastAPI, JDBC, Servlets

Databases: MySQL, Firebase

Tools / Platforms: Git, Docker

Concepts: Prompt Engineering, Artificial Intelligence, Machine Learning

Work Experience

PreciseVision Management Consultancy Services Pvt. Ltd.

Assistant – Income Tax Proof Verification (IBM Payroll)

Dec 2023 – Dec 2024

- Verified and validated over 1,000 employee income tax proof submissions with 98% accuracy.
- Ensured compliance with payroll regulations and improved record-keeping efficiency by 15%.
- Collaborated with the finance team to streamline digital documentation and verification workflows.

Scrupulous Enterprises

Software Engineer

Jul 2022 – Jan 2023

- Developed scalable **microservices** using **Java** and **Spring Boot** to encapsulate business logic and improve modularity.
- Implemented **RESTful APIs** for efficient CRUD operations integrated with **MySQL**, optimizing database access and performance.
- Enhanced user experience by redesigning web pages with **HTML**, **CSS**, and **jQuery** to dynamically display business statistics and insights.

Projects

Privacy-Aware Proximity Marketing System:

- Developed an **ML-based ad prediction backend** using **FastAPI**.
- Built an **admin dashboard with ReactJS** and implemented a **token-based smart contract simulator** for secure ad transactions.

QuickBite – Full-Stack Food Delivery PWA:

- Built a responsive **Progressive Web App (PWA)** using **HTML5**, **Tailwind CSS**, and **JavaScript** with dark mode support.
- Developed backend services using **Firebase** and **ASP.NET Core Web API** for authentication, cart management, and live order tracking.

Depression, Anxiety & Overthinking Detection (Machine Learning):

- Designed a **biosignal-based system** for real-time depression detection and emotion analysis.
- Applied **speech recognition and CNN models**, achieving 82% accuracy in identifying emotional states.

Education

Rajarajeswari College of Engineering, Bangalore

M.Tech in Computer Science and Engineering, CGPA: 8.25

2026 (Expected)

Visvesvaraya Technological University (VTU)

B.E. in Information Science and Engineering, CGPA: 6.96

2022

Certifications

JP Morgan Software Engineering Job Simulation (Forage)

Full Stack Java Developer (Jspiders)

Python using AI (AI for Techies)

Artificial Intelligence and Machine Learning (Internshala)

Android App Development using Kotlin (Internshala)