Karan Singh J

Bengaluru, India

☐ +91 9343175034　●　✉ kanukaransinghj01@gmail.com　●　🌐 karansinghj.netlify.app

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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%.

Scrupulous Enterprises
Software Engineer　　　　　　　　　　　　　　　　　　　　　　　　　　　*Jul 2022 – Jan 2023*
○ Developed scalable **microservices** using **Java and Spring Boot** to encapsulate business logic and improve modularity.
○ Enhanced user experience by redesigning web pages with **HTML, CSS, and jQuery** to dynamically display business statistics and insights.

Projects

Online Banking System – Full Stack Web Application:
○ Developed a secure banking platform using **Java, Spring Boot, Spring Security, and Hibernate** with user login, account management, fund transfers, and transaction tracking backed by **MySQL**.
○ Built a responsive interface using **Thymeleaf, HTML, CSS, Bootstrap, jQuery** and created an **Angular + TypeScript** admin portal for monitoring and system management.

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)

Spring Boot Course: Certified Course for Essential Skills (Scaler)

Python using AI (AI for Techies)

Artificial Intelligence and Machine Learning (Internshala)

Android App Development using Kotlin (Internshala)