# Karan Singh J

Bengaluru, India

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## Profile Summary

Full Stack Developer skilled in building scalable and secure applications using **Java, Spring Boot, RESTful APIs, SQL, React, and .NET**. Proficient in both front-end and back-end development, with hands-on experience in **cloud integration, data visualization, and machine learning**. Passionate about developing efficient systems and contributing effectively in dynamic environments.

## Technical Skills

**Languages:** Java, Python, JavaScript, SQL, HTML, CSS
**Frameworks / Libraries:** Spring Boot, React, Node.js, ASP.NET Core, FastAPI, JDBC, Servlets
**Databases:** MySQL, Firebase
**Tools & Platforms:** Power BI, Git, Docker, REST APIs
**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

Android App Development using Kotlin (Internshala)          Python using AI (AI for Techies)
Full Stack Java Developer (Jspiders)                        Artificial Intelligence and Machine Learning (Internshala)