Rahul Singh
Full-Stack Software Engineer

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WORK EXPERIENCE

Software Engineer (Full-Stack)
Smarter.Codes

04/2025 - 07/2025　　　　　　　　　　　　　*Bengaluru Urban, INDIA*

- Built a **Java** automation component using **Apache POI** for extracting Q&A pairs from an Excel file and generating Word documents, reducing manual effort by **80%** & accelerating training data generation for AI models.
- Resolved a critical **false-positive bug** by preventing irrelevant questions from populating, significantly improving AI Model accuracy and response quality for RFP documents.
- Researched and developed core annotation functionality for an **OnlyOffice plugin**, enabling users to highlight text with custom labels and persist data in **Azure Cosmos DB.**

Software Engineer Intern
Visitly LLC

02/2025 - 03/2025　　　　　　　　　　　　　*San Francisco, USA*

- Designed and built the Site Delivery Area back-end in **Visitly** with **Java** & **Spring Boot**, and deployed **Apache Superset** via Docker with **RLS** and **AWS S3** to provide secure, tenant-specific real-time analytics.

Graduate Technical Intern
RSA Security Applications Pvt Ltd.

08/2023 - 07/2024　　　　　　　　　　　　　*Bengaluru Urban, INDIA*

- Developed and optimized backend components using **Python** and **XML**, implementing **50%** of custom log parsers and plugins to improve parsing efficiency and ensure high data integrity.
- Automated test case execution for **log parsers**, minimizing manual effort and ensuring consistent validation of the parser functionality and log accuracy.
- Configured and optimized a **Cloudflare WAF** environment to enhance log collection & streamline data storage in **AWS S3** buckets.

Associate Engineer
Fulfillment IQ Pvt Ltd.

04/2021 - 09/2021　　　　　　　　　　　　　*Bengaluru Urban, INDIA*

- Optimized and enhanced the "Warehouse Anywhere" project using **Java** and **React.js**, resolving critical bugs & accelerating the feature development.
- Collaborated with **cross-functional teams** to troubleshoot daily client issues and optimize application performance.
- Actively contributed to Agile workflows, including sprint planning and daily stand-ups, to accelerate development cycles Improving operational efficiency.

EDUCATION

Master Of Technology (M.TECH), CSE
Vellore Institute Of Technology (VIT), Vellore, India

09/2022 - 07/2024　　　　　　　　　　　　　*CGPA- 8.18/10*

Bachelor Of Technology (B.TECH), CSE
Uttarakhand Technical University (UTU), India

08/2016 - 09/2020　　　　　　　　　　　　　*Percentage- 64%*

TECHNCAL SKILLS

Java (OOPs), JavaScript (ES6), DSA

Spring Boot, Hibernate, Security

Apache Kafka, Microservices

Node js, Express js, GraphQL

AWS, MS Azure, OCI, GCP, Git, CI/CD

HTML,CSS, React.js, Vite.js, Next.js, Tailwind CSS

MySQL, PostgreSQL, MongoDB

REST APIs (HTTP), Postman, Docker

Vercel, IntelliJ, VS Code, JIRA

OpenAI API Integration, Apache Superset,

MCP Server, Claude

PROJECTS

Shopping Cart MCP Server ⬈

- Technologies Used: **Java, Spring Boot, MCP (Model-Context-Protocol), Claude, MongoDB**
- Developed the **MCP Shopping Cart server** with Spring Boot and integrated it seamlessly with **Claude Desktop** for intelligent cart operations.
- Engineered core **RESTful APIs** for shopping cart operations (add, remove, retrieve products & fetch cart total) with **MongoDB** persistence.

VooshAi NewsBot ⬈

- Technologies Used: **Python, FastAPI, React.js, Qdrant, Redis, Google Gemini API**
- Developed a **RAG-powered chatbot** that ingests news articles, stores **embeddings** in **vector DBs**, & delivers concise AI-generated summaries with session history management and a responsive **React** front-end.

ViralLens Assist ⬈

- Technologies Used: **Node.js, Express.js, React.js, MongoDB, JWT, Docker, OpenRouter API**
- Developed a **full-stack AI-powered chatbot** with secure **authentication**, **persistent conversation** history, and real-time conversational responses powered by **OpenRouter LLM**.

LANGUAGES

Hindi
Native or Bilingual Proficiency

English
Native or Bilingual Proficiency

Japanese (N5)
Elementary Proficiency