

Kavya Mittal

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Summary

Backend-focused Software Engineer building AI-driven microservices and production-grade systems. Skilled in Python, Java, LLM integrations, REST APIs, SQL optimization, and AWS deployments. Experienced in taking full ownership of end-to-end AI workflows, achieved high accuracy and low-latency performance in production.

Experience

Salescode.ai

Software Development Engineer in Test

Gurugram

April 2025 – Present

Backend & AI Engineering

- Built and maintained Python-based microservices powering AI voice and analytics products, achieved **sub-2-second response latency** in real-time pipelines.
- Owned end-to-end AI workflows for **speech-to-text (STT), text-to-speech (TTS), and conversational AI**, integrating AWS, Google, and 11 Labs services; achieved **~90–95% accuracy for Hindi and Mexican Spanish**.
- Designed and deployed **RESTful APIs** for scalable frontend-backend communication and implemented SQL query optimizations for **accurate real-time analytics dashboards**.
- Deployed production services on **AWS (EC2, S3) using Docker, Nginx, Linux** and handled live production issue resolution, ensuring **high reliability**.
- Collaborated with cross-functional teams to deliver AI-driven features to production, demonstrating **full ownership of backend product development**.

Automation & Quality Engineering

- Developed **UI automation (Playwright) and mobile automation (Flutter)**, eliminating **100% of manual regression effort**.
- Built **database validation scripts and API testing frameworks** to validate 500+ data points, integrated with **CI/CD pipelines (Jenkins)** for fast, repeatable testing.
- Implemented **end-to-end, functional, and integration testing workflows**, achieved near-complete automation of test scenarios.

SKILLS

Languages: Python, Java, JavaScript, SQL

Backend: Flask, Spring Boot, Node.js, Express.js, REST APIs, Microservices

Frontend: React.js, HTML, CSS, TailwindCSS

Databases: MySQL, MongoDB, Amazon RDS

Cloud & DevOps: AWS (EC2, S3), Docker, Nginx, CI/CD, Linux

Testing & Automation: Playwright, Flutter Automation, API Testing, JMeter, Integration Testing

Key Product Contributions

- **SCAI – AI Voice Calling Agent:** Implemented backend APIs, managed AI-driven voice workflows, and maintained real-time conversational pipelines.
- **SalesLens – Analytics Dashboard:** Built backend services, optimized queries, and developed secure real-time analytics dashboards with role-based access control.

Education

Chitkara University, Punjab

Bachelors of Engineering (CSE)

Aug 2022 – Present

CGPA: 9.06 (Through 7th Sem)