

# PRANJALI RAVINDRA MURDESHWAR

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## SKILLS

**Languages** Java | C++ | Python

**AI/LLM Tools** Agentic AI | CrewAI | OpenAI API | LangChain | LangGraph | MCP

**Technologies** Spring Boot | Apache Spark | REST API microservices | Apache Kafka | Mockito | HTML5 | CSS3 | React | Identity and Access Management (IAM) | Jenkins | Grafana | AWS

**Tools** Splunk | JIRA | Git | Docker | One Identity Manager

**Databases** MySQL | SQL Server

## WORK EXPERIENCE

**Software Engineer II** — Walmart, Sunnyvale, CA

August 2022 — Present

- Synthesized seller notification system with Apache Spark, increasing the seller interaction by 31% through automated performance emails
- Automated weekly performance analytics, activating 1,565 new seller engagements by designing Apache Kafka-driven pipelines and REST API endpoints
- Designed API component for seller appeals platform, reducing manual interventions by 50 minutes per case
- Conducted requirements analysis, API design, and solution architecture reviews, ensuring scalability
- Externalized seller performance APIs, enabling 77% of sellers to access critical business metrics
- Developed and implemented a Seller Dashboard with 8 real-time performance KPIs, utilizing React, HTML, and CSS for the frontend and Spring Boot for the backend.
- Refactored legacy services to Java 17/J2EE and Spring Boot, modularizing microservices, adding Apache Spark-based data pipelines, documenting APIs with Swagger/OpenAPI, reduced tech debt by 40%
- Simplified market-specific build system into a unified CI/CD Jenkins pipeline, reducing build time by 35%

**Java/J2EE Developer** — Medifast, Inc, Lehi, UT

January 2022 — August 2022

- Contributed to developing custom Hybris solutions with Spring, optimizing system scalability by 30%
- Constructed Grafana and Splunk dashboard for tracking system health metrics with zero downtime
- Authored 90+ unit tests with JUnit/Mockito, increasing backend reliability and code quality by 45%

## PROJECT

**Resume Genie AI** ([github.com/murdpra/resume\\_genie\\_ai](https://github.com/murdpra/resume_genie_ai))

- Built an Agentic AI-powered resume optimization system leveraging Python, CrewAI and the OpenAI API to parse job descriptions and resumes, to generate ATS-compliant, role-specific content
- Designed a dual-interface solution with a Gradio-based web UI and a CLI, fully containerized with Docker to enable seamless cross-platform deployment, scalability, and developer usability

**Alpha Synth** ([github.com/murdpra/AlphaSynth](https://github.com/murdpra/AlphaSynth))

- Formulated a high-performance RAG pipeline by integrating LangChain and LLMs to automate complex financial analysis, reducing report generation time from hours to under a few seconds
- Constructed a RAG database using FAISS and Hugging Face to index 10-K filings, synthesizing semantic search with LLMs for sub-second financial data retrieval

## EDUCATION

**Master of Science in Computer Information Systems**, Colorado State University

Dec 2021

**Bachelor of Engineering in Electronics and Communication**, VTU, India

July 2016

## AWARDS

**Bravo Award** - Operational Excellence

July 2024