

# PRANJALI RAVINDRA MURDESHWAR

murdpra93@gmail.com | (970) 821-7782 | [linkedin.com/in/pranjali-ravindra/](https://linkedin.com/in/pranjali-ravindra/) | [github.com/murdpra](https://github.com/murdpra)

## SKILLS

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- 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

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- 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

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- 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

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- Master of Science in Computer Information Systems**, Colorado State University Dec 2021
- Bachelor of Engineering in Electronics and Communication**, VTU, India July 2016

## AWARDS

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- Bravo Award** - Operational Excellence July 2024