

Gedendhar S

Software Engineer I | AWS Certified Solutions Architect | AI/ML Developer

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PROFESSIONAL SUMMARY

Software Engineer with 2+ years of experience in Python, AI/ML, and cloud-based system development. Skilled in building scalable NLP pipelines, multi-agent AI systems, and automated data processing systems. Experienced in designing end-to-end solutions using LLMs, RAG architectures, OCR, and cloud infrastructure on AWS. Passionate about applying AI to solve real-world problems in automation, data privacy, and intelligent systems.

TECHNICAL SKILLS

Languages: Python, SQL, HTML

Backend & APIs: FastAPI, Flask, Uvicorn, REST APIs, Data Pipelines, ETL, OpenAPI/Swagger

Libraries & Tools: NumPy, Scikit-learn, Pandas, spaCy, OpenCV, Tesseract OCR, FAISS, FPDF2

Generative AI: LangGraph, LangChain, RAG, LLMs, Groq, Agentic AI

Cloud & DevOps: AWS (EC2, S3, IAM, Lambda), Docker, GitHub Actions (CI/CD), Render, Streamlit Cloud

Tools & Visualization: Git, JIRA, Streamlit, Plotly, Microsoft Excel

WORK EXPERIENCE

Geometry Technologies

Bangalore, India

Software Engineer I

Oct 2023 – Sep 2025

- **NLP Pipelines:** Built and optimized NLP pipelines in Python, improving processing efficiency by ~30%.
- **Backend Components:** Developed modular backend components for document processing to simplify debugging and updates.
- **AWS Deployments:** Designed and deployed AWS-based workflows (EC2, S3, IAM) for scalable data processing.
- **Data Pipelines:** Automated internal data pipelines, reducing manual effort by ~25%.
- **Agile Methodology:** Worked in Agile teams, consistently delivering features ahead of timelines using JIRA.

KEY PROJECTS

GovAgent — Autonomous AI Compliance Auditor 🤖

Python, LangGraph, Groq, FAISS, Docker, FPDF2

- Developed an autonomous governance multi-agent auditor using LangGraph and Groq Cloud to audit LLM responses; engineered a parallelized state-graph evaluation engine (fan-out/fan-in) reducing evaluation latency to 1.5s per node.

AI Career Copilot (RAG-based Multi-Agent System) 🤖

Python, OpenAI API, LangChain, FAISS, Streamlit

- Built a career guidance RAG tool using FAISS semantic search and sentence-transformer embeddings (MiniLM) for resume-to-job matching via cosine similarity, and designed an interactive Streamlit dashboard.

AI-Powered Document Redaction System

Geometry Technologies | spaCy, Tesseract, OpenCV, AWS

- Built an automated PII detection pipeline using spaCy, Transformers, Regex, and LLM-based validation, deploying on AWS (EC2, S3, IAM) for secure and scalable processing.

AI Options Trading Analytics Dashboard

Geometry Technologies | SVR, FinBERT, Plotly, Streamlit

- Developed an ML market trend prediction dashboard using SVR and FinBERT sentiment analytics, implementing technical indicators (RSI, MACD, SMA, EMA).

PROFESSIONAL DEVELOPMENT

AI-assisted development using ChatGPT, Claude, MCP-based workflows, prompt engineering, and solid understanding of Reinforcement Learning from Human Feedback (RLHF) concepts.

EDUCATION

Sri Krishna College of Engineering and Technology

Coimbatore, India

Bachelor of Engineering in Mechatronics (CGPA: 8.86 / 10.0)

Aug 2019 – May 2023

CERTIFICATIONS & ACHIEVEMENTS

- **AWS Certified Cloud Solution Architect (Associate):** Amazon Web Services (2024).
- **Python Programming:** Google | Coursera.
- **Claude Code in Action:** Anthropic (2025)
- **Agile Methodology Virtual Experience Program:** JPMorgan Chase (Forage).

PERSONAL DETAILS

Languages: Tamil, English, Hindi | Interests: Volunteering, Public Speaking