Shrvaani S

Software Developer | Generative AI | Python | Java | MERN Stack

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Professional Summary

Certified Data Scientist and AI/ML Developer with hands-on experience in building intelligent software solutions using Python, Django REST Framework, PostgreSQL, Generative AI, Agentic AI, and modern web technologies. Skilled in deploying AI/ML models, creating scalable RESTful APIs, and delivering data-driven insights across EdTech, Telematics, and Retail domains.

Experienced in designing and implementing **RAG (Retrieval-Augmented Generation)** pipelines, building **AI agents** using **LangChain** and **LangGraph**, and orchestrating multi-step reasoning workflows using large language models. Proficient in object-oriented design, design patterns, and backend development with a strong command of cloud tools like AWS.

Adept at test-driven development, debugging, and backend performance optimization within Agile SDLC environments. Passionate about innovation and committed to solving real-world problems using AI to deliver impactful, scalable solutions.

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Technical Skills

- Languages: Python, JavaScript (ES6+), Java, SQL
- AI/ML: TensorFlow, PyTorch, Scikit-Learn, Hugging Face Transformers, OpenCV,
  NLTK, GPT-based APIs, Gemini models, o3/o4-mini reasoning models, Prompt Engineering (basic), Retrieval-Augmented Generation (RAG), LangChain, LangGraph, Agentic AI Frameworks (custom agents, memory & tools integration), Image Generation (DALL·E, Hugging Face Diffusers)