

# KESHAV SHARMA

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## Professional Summary

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AI Engineer specializing in LLM-powered systems and Agentic AI workflows, with hands-on experience building RAG pipelines, AI evaluation systems, and human-in-the-loop architectures. Strong background in deploying scalable AI systems using Python, APIs, and cloud-native tools for real-world decision support and compliance.

## Education

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- **VIT AP UNIVERSITY, India** Sept 2023 – Aug 2027  
Branch – Computer Science and Engineering, specialised in Data Analytics | CGPA: **8.2**
- **SHIVALIK PUBLIC SCHOOL, India** 2022  
Class 12th Aggregate: 82.2%

## Skills

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- **Programming** : Python, Java, C/C++, R, SQL
- **LLMs & GenAI** : GPT, Gemini, Prompt Engineering, Retrieval-Augmented Generation (RAG)
- **Agentic AI** : LangGraph, LangChain, LangSmith, Multi-Agent Orchestration
- **Vector & Retrieval** : Embeddings, Semantic Chunking, ChromaDB, MongoDB, MonetDB
- **AI Systems** : Human-in-the-Loop, Evaluation, Guardrails
- **APIs & Backend** : Flask, REST APIs
- **Core & DevOps** : Data Structures & Algorithms, Data Engineering, System Design, Git, GitHub, Docker, AWS

## Projects

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- **AML Agentic AI System** | link - [Project Link](#)
  - Built a **LangGraph-based multi-agent AML pipeline** to analyze **1K+ transactions/day** using LLM reasoning.
  - Reduced manual compliance review by **~45%** through **RAG grounding** and human approvals.
- **AmbedkarGPT 2.0 (RAG-Based AI System)** | link - [Project Link](#)
  - Built a domain-specific **retrieval-augmented data pipeline** using semantic chunking and vector embeddings.
  - Improved answer relevance and factual consistency by **~30%** via retrieval optimization.
- **NeuralAudit – AI Reliability & Compliance Engine** | link - [Project Link](#)
  - Built an **automated RAG auditing engine** to score hallucinations, relevance, latency, and cost in real time.
  - Evaluated **100+ AI conversations/run** using deterministic metrics and an **LLM judge (Gemini 2.5)**.

## Experience

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- AI / Data Science Intern - Sabudh Foundation Jan 2025 - Apr 2025  
Built and evaluated **ML and deep learning pipelines** in Python and TensorFlow on real-world datasets.  
Performed **EDA and feature analysis on 100K+ records** to support model tuning and evaluation.  
Developed **dashboards** that reduced manual analysis effort by **~30%**.

## Certificates

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- IBM - Data Science Professional Certificate December 27, 2024
- Machine Learning Specialization - DeepLearning.AI January 2, 2026
- Advanced Machine Learning Models – DeepLearning.AI November 1, 2025
- AWS Certified Cloud Foundations and Architecture November 10, 2025

## Leadership and Achievements

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- President – SEDS Aurora (Space Club, VIT-AP) Jun 2024 – Present
- Winner – NASA Space Apps Challenge (Best Use of Science) November, 2024