

K.PAVAN REDDY | +91 [8793506163](tel:8793506163) | karjalepavanreddy@gmail.com | www.linkedin.com/in/pavanreddykarjale

“Winner of Google Machine Learning Hackathon - @IIT Dhanbad”

SUMMARY

I am an **AI Engineer** with practical experience building real-world **AI agents**, **automation systems**, and scalable **AI services**. I have delivered multiple production-ready **machine learning** solutions and won the Google Machine Learning Hackathon. My work focuses on designing efficient end-to-end **AI pipelines**, developing autonomous **agent workflows**, and building dependable **AI-driven applications**..

EDUCATION

Parul University, India

Bachelors in Machine Learning

November 2025

SKILLS

Programming Languages:- Python (Advanced Proficiency), FastAPI, Flask, Integrating APIs into Backend

Cloud Platforms and Deployment:- Azure, AWS (deployment monitoring, optimization) | containerization: Docker

AI Agents:- AutoGen, LangChain, Agency Swarm Framework, LangGraph with state management

Database: MySQL, NoSQL, PostgreSQL, Vector Databases (Pinecone, Chroma, Weaviate, Milvus), Redis, Azure Embedding Techniques

Core Competencies: Strong Communication Skills (team collaboration), Creative Problem-Solving, Analytical Thinking, System Design Understanding, Continuous Learning & Adaptability, Machine Learning & Deep Learning.

WORK EXPERIENCE

AI-INTERVIEW MODULE

DEC 2024 – PRESENT

Objective: Streamlined candidate screening by developing an AI-driven system to analyze resumes, and job descriptions, and generate interview questions.

- **Tech Stack:-** OpenAI GPT, Crew AI, Python APIs, Azure (AKS, Azure Monitor).
- **Actions:-** Integrated OpenAI and Crew AI agents to parse resumes/JDs and generate role-specific questions.
- Built Python backend APIs for **real-time interaction** between AI models and user interfaces.
- **Deployed on Azure** with Kubernetes for scalability and Azure Monitor for performance tracking.
- **Results:-** Reduced manual screening time by 46% with **90% question accuracy**.
- Handled **500+ screenings** with 99.8% uptime during peak cycles.

AUTOMATING THE PROCESS OF SEO WITH GOOGLE BUSINESS PROFILE

OCT 2025 -- PRESENT

Situation: Businesses struggled to maintain consistent GBP SEO activities, leading to low visibility and engagement.

Task: Create a fully autonomous system to automate GBP posts, review replies, audits, and keyword optimization.

Actions:

- Built a daily **Auto-Posting Agent** generating keyword-rich posts at 9 AM.
- Developed a 24/7 **Auto Review Reply Agent** with sentiment analysis + SEO keywords.
- Implemented an **AI Audit Agent** for daily SEO analysis and improvement suggestions.
- Added a **QR-based Review Booster** that guides customers to leave keyword-optimized reviews.
- Integrated all **agents** into a unified **automated SEO pipeline**.

Results:

- Delivered a 100% **automated GBP SEO tool** used successfully in the market.
 - **Real-time review replies**, **improved ranking consistency**, and higher **customer engagement**.
 - **Eliminated manual SEO work** for businesses.
-

CERTIFICATIONS

1. **Microsoft Certified:** Azure AI Engineer Associate
 2. **Python** Certification in Udemy
 3. **CrewAi** certification in **DeepLearning.AI**
 4. **Storytelling** and communication skills in think school
-