

Ajay Palvai

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A Passionate AI Engineer skilled in Python, ML/DL, Generative AI, LLMs, and Agentic AI. Experienced in Tableau BI, SQL/MySQL, NoSQL/MongoDB, and building data-driven solutions. Proficient in MERN Stack, FastAPI, and integrating AI agents using LangChain, LangGraph, Crew AI, n8n, RAG, MCP, and Vibe Coding. Focused on creating intelligent automation and scalable AI applications that drive actionable insights.

WORK EXPERIENCE:

Ai Engineer - [Spearsoft](#)

May 2025 - Present

Building intelligent AI systems and automation solutions to drive actionable insights, optimize processes, and accelerate innovation.

Building Predictive Models: Design and fine-tune machine learning models to generate actionable insights, with a focus on accuracy and reliability.

Optimizing Data Processes: Manage data cleaning, preprocessing, and feature engineering to improve model performance and efficiency.

SKILLS:

Programming (Python, SQL) | MERN Stack | Data Analysis (Data Extracting, Data Manipulating, Data Cleaning, Data Visualization) | Database Management (MySQL) | GenAI | Git/GitHub (version control) | Visualization Tools (Tableau) | Machine Learning | Deep Learning | Ms Office (Ms Excel, Power Point) | GEN-AI | LLM'S | Crew ai | n8n | RAG | MCP

Soft Skills: Analytical Thinking | Problem-Solving | Team Collaboration | Time Management | Adaptability | Decision making | Communication Skills.

PROJECTS:

1. [AutoHire Prep](#) [Python| React.js| GEN-AI|LLM's|TTS|STT]

October 2025 – November 2025

- Complete career ecosystem from learning algorithms to acing interviews. All-in-one platform for students, universities, and job seekers with AI mock interviews.

2. [AutoHire AI](#) [Python| React.js| Machine learning| |GEN-AI | LLM'S | Crew ai | Retell Ai|TTS|STT]

May 2025 – August 2024

- The project aims AI-powered recruitment platform automating hiring through intelligent resume screening, AI interviews, and real-time candidate insights.

3. [Leadspear.ai](#) [Python| AI |Marketing Automation | React.js]

May 2025 - July 2025

- AI-powered marketing automation ,lead generation platform with email marketing, social media ,and digital advertising tools.

4. [End-to-End RAG LLM](#) : ['LLamA2', 'LLaMA index', 'RAG']

Complete RAG application built with LLamA2 and LLaMAindex for advanced document retrieval and generation.

EDUCATION:

Mahatma Gandhi Institute of Technology – JNTUH(HYD)

September 2021 - August 2024

B.Tech in Computer Science (Data Science)

Bomma Institute of Technology and Science.

May 2018 - June 2021

Diploma in Computer Engineering

CERTIFICATIONS:

- Google Data Analytics Professional Certificate by Coursera- [Verify](#)
- Salesforce developer [Verify](#)
- Deep Learning - Nptel
- Social Network Analysis - Nptel