PIYUSH PATRIKAR

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EDUCATION

INDORE INSTITUTE OF SCIENCE AND TECHNOLOGY   INDORE, MP
Bachelor of Technology   Expected 2026
Major in Computer Science
CGPA: 6.44

WORK EXPERIENCE

VKAPS IT Solutions Pvt. Ltd

AI AUTOMATION INTERN | ON-SITE | August 2025 – December 2025
- Built and deployed AI-driven automation workflows using Python, n8n, LLMs, and custom scripts to streamline business processes.
- Implemented Generative AI–powered automation and customer interaction solutions by integrating OpenAI, Gemini, GROQ, Zapier, and REST APIs.

Foundations of AI

Microsoft & AICTE | VIRTUAL INTERNSHIP | April 2025
- Gained hands-on exposure to AI fundamentals, machine learning concepts, and cloud-based AI tools.
- Worked on practical AI exercises and a guided project, applying theoretical concepts to solve real world scenarios.

ACTIVITIES

Workshop on "Application of AI/ML Model for Specific Crop Acreage Mapping"
Organized by IIRS & ISRO | April 2025
- Participated in a national-level workshop on AI/ML applications for crop acreage mapping using satellite and remote sensing data.
- Applied machine learning models to real-world agricultural datasets to address environmental and farming challenges.

PROJECTS

LawSimpify – Legal Document Simplifier (*link*)
- Built an intelligent Flask-based system that detects risks, rates their severity, and allows users to upload, analyse and compare multiple documents interactively.
- Integrated Groq API (Llama 3.3) for legal text simplification, PyPDF2 and python-docx for file parsing, and enabled PDF export of AI-driven insights.

MediDoc – Clinical Document Q&A system (*link*)
- Built a RAG-based Clinical Document Q&A system that enables accurate question-answering over medical PDFs using embeddings, FAISS vector search, and LLMs.
- Developed a FastAPI backend with a Streamlit chat interface, integrating LangChain and OpenAI to deliver relevant, context-aware clinical insights in real time.

FactCheck – Fake News Detection (*link*)
- Developed an end-to-end fake news detection system using NLP and ensemble machine learning, extracting 15+ linguistic and sentiment features and training 5 models with a soft-voting ensemble.
- Built an interactive Streamlit web application and deployed the system using Docker, trained on the ISOT dataset (44K news articles) for real-world evaluation.
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ADDITIONAL

Technical Skills: Python, SQL, Generative AI, LLMs, RAG, LangChain, LangGraph, Hugging Face, Vector Databases, FastAPI, Flask, REST APIs, Scikit-learn, NLP, Linux, Git, Streamlit.

Certifications: Oracle Generative AI Professional, HackerRank SQL(Advanced), NPTEL – Python for Data Science, HackerRank – Python(Basic).