

Pradeep Yadav

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PROFILE

AI Engineer with hands-on experience building production-ready Generative AI and RAG-based applications. Strong in Python, LangChain, embeddings, and vector databases for document intelligence and conversational AI systems. Experienced in developing secure, multi-user AI solutions using real-world datasets and deploying end-to-end applications.

TECHNICAL SKILLS

AI/Generative AI RAG, LangChain, LangGraph, Embeddings, Vector Databases, NLP, Transformers, Prompt Engineering, Fine-tuning	Programming C++, Python, JavaScript(Basic)
Databases MongoDB, PostgreSQL, MySQL	Tools Git, VS Code, Postman, MongoDB Compass
Frameworks Streamlit, Bootstrap, FastAPI, FastMCP	Frontend HTML, CSS, Bootstrap, React (basic)

EDUCATION

Bachelor of Technology in Computer Science Engineering, Indore Institute of Science and Technology, Indore	2022 – 2026
Higher Secondary Education, Aaditya Vidya Vihar H.S. Sec School, Khargone	2022
Secondary Education, Aaditya Vidya Vihar H.S. Sec School, Khargone	2020

INTERNSHIP

Generative AI Intern, Mindpath Tech Private Limited	07/2025 – 10/2025 Indore, India
Developed production-ready AI chatbots using LangChain, OpenAI models (text-embedding-3-small, gpt-4.1-mini), and MongoDB with RAG-based retrieval to respond accurately to client documents in real time; optimized prompts and request handling for high accuracy and safe multi-user usage. Built secure, client-facing web UI (HTML/CSS, authentication) enabling users to log in, interact with the bot, and review/update responses; maintained conversation history and monitored system performance for reliability in live environments.	

PROJECTS

Multi-Modal RAG Document Assistant Built a Streamlit-based AI system supporting PDF upload, conversational Q&A, summarization, quiz, and flashcard generation using LangChain and Transformer models. Implemented multi-modal content extraction (text, tables, images), adaptive conversational memory, and a live web-search chatbot with temporary vector retrieval. Tech: Python, Streamlit, LangChain, Transformers, ChromaDB, Hugging Face, PyMuPDF, unstructured, DuckDuckGo Search
AI Resume Analyzer & Interview Prep Assistant Developed a RAG-powered AI agent for resume analysis, skill matching, interview question generation, resume Q&A, and ATS-focused resume improvement using Hugging Face models. Tech: Python, Streamlit, LangChain, Transformers, ChromaDB