AVINASH KUMAR

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SUMMARY

Experienced AI professional with specialized expertise in Generative AI ,AI-Agents, AI-automation and Large Language Models (LLMs). Proven track record of leveraging cutting edge AI technologies, including Python, RAG, Langchain ,LangGraph, LLMops to drive innovative solutions. Passionate about pushing the boundaries of artificial intelligence to achieve impactful outcomes.

EXPERIENCE

INFOSYS
Bengaluru

Digital Specialist Engineer   02/2022 to Current

- Developed a Retrieval-Augmented Generation (RAG) architecture, improving content generation and information retrieval accuracy by 35%.
- Optimized dense retriever using similarity search algorithms, reducing response time by 40% and enhancing content relevance.
- Preprocessed and fine-tuned model on domain-specific data, achieving a 30% increase in response accuracy and contextual alignment.
- Boosted user engagement and satisfaction by 25% through high-quality, relevant responses tailored to user queries.

INTERNSHALA
Gurugram

Data Science Intern   06/2020 to 08/2020

- Completed a six-week online training on Machine Learning from June 20th, 2020 to August 1st, 2020
- Training included modules on Introduction to Machine Learning, Python for Machine Learning, Machine Learning Life Cycle, Data Exploration and Manipulation, Build Your First Model, Evaluation Metrics, K-NN, Selecting the Right Model, Linear Regression, Logistic Regression, Decision Trees, Feature Engineering, Basics of Ensemble Models, Random Forest, and Clustering

SKILLS

- Python
- LLM(Large Language Models)
- GenAI
- LangChain
- LangGraph
- AI-Agents
- SQL/NoSQL
- AI-Automation
- Azure
- NodeJS
- RAG
- Deep Learning
- Prompt Engineering and Tuning
- Docker

CERTIFICATIONS

- Infosys Certified Generative AI Professional - Intermediate, Infosys, 2024 -Link
- Career Essentials in Generative AI by Microsoft and LinkedIn, Linkedin, 2024 -Link
- Infosys Certified Data Science Practitioner Using Python, Infosys, 2023 -Link
- Machine learning, IICDC, MERN stack, AWS AI, AI Engineer -Link

PROJECTS

1.Multi-Agent AI System for Smarter Research

Designed a multi-agent system using LangGraph and chat models to streamline research workflows, enabling custom input sources, automated AI sub-topic analysts, and multi-turn interviews for in-depth insights. Leveraged parallel processing with map-reduce for efficient aggregation and produced customizable, synthesized reports.

2.DocuChat is a conversational AI platform that allows users to upload PDFs and interactively query their content, delivering precise answers through RAG.

EDUCATION

BACHELOR OF TECHNOLOGY   01/2021
Graphic Era University, Dehradun