

Muhammed Nishan

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Professional Summary

Results-driven Data Scientist with over 2 years of extensive experience in Machine Learning and Generative AI. Proficient in developing and deploying production-grade applications using Python and familiar with various ML/NLP libraries such as PyTorch and HuggingFace Transformers. A proven leader in optimizing workflows and implementing end-to-end ML solutions, skilled in creating inference pipelines, model versioning, and ensuring continuous validation of deployed models.

Skills

Data Science:

Generative AI, Machine Learning, NLP, Transformer Models, Text Embeddings, Python, Kubernetes, Prompt Engineering

Engineering:

Production-grade application development, Software engineering best practices, Scalable distributed systems, Continuous integration, Model deployment and versioning, Monitoring and instrumentation

Professional Experience

Data Scientist

Logicplum –

June 2022 - Present (1 Year 9 Months)

- Led a team of Data Scientists in the end-to-end development of machine learning products, focusing on observability and conversational AI.
- Integrated OpenAI GPT-4 for advanced ML decisions, enhancing the capabilities of AI agents.
- Architected and implemented robust inference pipelines to automate the model deployment process, facilitating real-time model updates.
- Developed and maintained operational monitoring systems to ensure the performance and reliability of production models.
- Fostered an environment of continuous improvement through regular training and upskilling sessions centered around emerging ML techniques.

Projects

AI Assisted Instagram Reel Generator Platform

Spearheaded the development of an AI-assisted Instagram Reel Generator powered by Google Gemini LLM, optimizing content creation through intelligent automation, effectively minimizing manual intervention.

ReGen - Job Search and Resume Generator

Engineered an AI-based platform that intelligently analyzes resumes and matches them with optimal job descriptions, providing real-time resume customization and enhancements.

Webby - Chat with Websites

Developed an AI-driven chatbot using OpenAI API, enabling enhanced user interaction with websites and streamlining communication through natural language processing.

Multi Document Chatbot

Created a Langchain-powered AI chatbot that efficiently processes and interprets multiple documents, delivering accurate and context-rich responses for enhanced user experience.

Education

B.Sc Physics

MSM College, Alappuzha, Kerala
Graduation Year: 2021

References

Available upon request.