VENU KUMAR J

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Experience as Data Scientist and Pythoneer

I am an accomplished professional with expertise in computer vision, deep learning, and machine learning. I have a strong passion and a proven track record of success in building data science projects. My diverse background includes data science domain, and collaborating with renowned academic institutions such as IIITH, IISc to develop cutting-edge machine learning projects using Python for executive programmes. I'm dedicated to mentoring aspiring professionals in the field of Data Science. With solid skills in full-stack development using Django and Spring Framework, Streamlit, Gradio I craft robust web solutions for exceptional user experiences. Additionally, I drive innovation through OpenAI ChatGPT, creating dynamic and engaging conversational systems.

Vision

As a data scientist, I aim to elevate Generative AI models to redefine content creation - enabling seamless, personalized text generation and revolutionizing collaboration with an intelligent and adaptive recommendation system.

Professional Experience

PwC AC India   **August 2024 - Present**
Senior Associate, GenAI Developer

- **Summary:** Senior associate data scientist working on Generative AI solutions including agentic frameworks, autogen and cloud resources such as Azure AI Search, Azure Doc Intelligence and Azure Cosmos DB. Building AI agent solutions using AWS bedrock flows, agents and models etc.
- **Key skills:**
  - Microsoft Azure - conversable agents, autogen, AI search index, doc intelligence, azure functions, cosmos db.
  - AWS - bedrock agents, flows, RAG, opensearch serverless kb, lambda functions, s3 bucket.
- **Accomplishments:**
  - Successfully completed the project on automatically generating RFP responses using agents and handed over to client (Molina healthcare) on time.
- **Clients worked for:**
  - Molina Healthcare, BannerHealth, Brookfield

Tata Consultancy Services Limited
                                                                                                 February 2022 - July 2024
Systems Engineer

- **Summary:** Proficiently managed NLP projects and LLM initiatives alongside diverse involvement in software development, requirement analysis, and deployment across various stages of the software lifecycle. Demonstrated expertise in NLP through crafting ontologies and graph networks for search engines, enhancing text classification, sentiment analysis, and text generation capabilities. Acquired substantial experience in Generative AI, and successfully developed solutions for clients.
- **NLP Expertise:** With strong background in NLP, I delved deep in creating ontologies and graph networks for search engines and ranking systems, text classification, sentiment analysis and text generation.
- **Generative AI:** With deep knowledge and hands-on experience, developed more than 5 solutions