ANSHID TP

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Education

A P J Abdul Kalam Technological University **Aug. 2018 – July 2022**
B Tech - Electronics and Communications Engineering *Wayanad, India*

Codeme Hub International Pvt Ltd **July. 2022 – Feb. 2023**
Data Science and AI -Training Program
Relevant Coursework: Machine Learning , Computer Vision , Natural Language Processing , Generative AI

Technical Skills

Programming Languages and Frameworks:Python,SQL, Flask,FastAPI, PyTorch

Data Science and Machine Learning:Pandas,NumPy,Statistics,Scikit-learn,Neural Networks(LSTM,ANN,CNN),Regression,Classification,Clustering,Time Series Analysis

AI Frameworks:NLP(NLTK,Transformers),Lang Chain,LLMs (Hugging Face ,Llama,OpenAI API),Computer vision(OpenCV, YOLO, MediaPipe),Prompt Engineering,AgenticAI(Langraph, CrewAI), Knowledge Graphs(Neo4j , AuraDB)

Databases and Development Tools: Git, GitHub, Databases(MSSQL, MongoDB), Vector DB(Pinecone, Chroma)),Cloud(AWS ,Render),CI/CD:Github Actions,IDEs(Jupyter Notebook,VSCode)

Experience

Scipy Technologies **Sep 2024 – Present**
AI Developer *Thiruvananthapuram*
- Designed novel graph-aware transformer architecture combining spatial and temporal encoding mechanisms, achieving state-of-the-art performance on for 14.5K entity knowledge graphs
- Conducted comprehensive ablation studies comparing 3 baseline approaches (template-based, static GNN, traditional RAG), validating 35-50% performance gains through graph-aware attention and hybrid retrieval strategies
- Built scalable RAG infrastructure leveraging Neo4j vector search, Groq Cloud LLMs, and incremental graph updates, processing real-time knowledge evolution with i2s response time and supporting 272K+ triplets with 99.9% data consistency

Vitez Software Pvt. Ltd **Mar 2023 – Feb. 2024**
Data Scientist, Intern *Calicut, Kerala*
- Conducted exploratory data analysis to identify patterns, trends, and insights using statistical methods and data visualization techniques to support business decisions.
- Maintained automated data pipelines for efficient data extraction, transformation, and loading(ETL) processes using SQL and Python.
- Took a pivotal role in developing a highly accurate machine learning model for diagnosis and medication recommendations, achieving 90% accuracy, enhancing patient outcomes and operational efficiency

Projects

MediChat - Medical Chat bot
Meta Llama-2, Pinecone DB,Hugging Face,Lang Chain, Flask, GroqCloud
- Objective: Develop a sophisticated medical chatbot using advanced AI and machine learning technologies to assist users with accurate and timely medical information
- Implemented a natural language processing backend using Meta Llama 2 to handle user queries about diseases and medical-related questions.
- Constructed a comprehensive knowledge base using Pinecone DB from a medical book to ensure accurate and reliable responses
- Designed and deployed an intuitive frontend UI with Flask to facilitate seamless user interaction with the chatbot

Engage AI:AI Agent for Real Time LinkedIn Content Generation
FastApi, Google Gemini3.5, Langchain, Langraph,SerpAPI
- Spearheaded development of AI-powered content generation platform using cutting-edge LangGraph framework and Google Gemini API, designing and implementing modular microservices architecture with automated quality assurance workflows that achieved 95%+ reliability across production deployments on Render
- Architected production-grade microservices API with dual-endpoint strategy (standard/enhanced workflows), integrated real-time news aggregation via SerpAPI, implemented rate limiting and comprehensive error recovery mechanisms, reducing content generation time from 2+ hours to 30 seconds while processing 1000+ enterprise requests
- Developed intelligent LangChain agent system featuring structured state management, automated news analysis, sentiment evaluation, and iterative content refinement with AI-powered quality scoring, eliminating 90% of manual revision cycles and enabling 10x increase in content output for marketing operations