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Paritosh Shukla

OBJECTIVE: I aim to join a dynamic organization where I can leverage my expertise in AI, ML, and Generative AI to drive innovation and achieve business objectives. With a strong foundation in computer science and extensive experience in participating and winning hackathons, I have honed my skills in developing cutting-edge solutions using advanced technologies, including Large Language Models (LLMs). I am proficient in Python, machine learning, deep learning, natural language processing, and data science. My capabilities include designing, developing, and deploying scalable and adaptive systems that effectively meet business and functional requirements, delivering impactful results.

SKILLS

- **Languages**: C, Java, Shell Scripting, Python
- **Databases**: SQL
- **Data Analysis and Visualization Libraries** - NumPy, Pandas, Tableau, PowerBI ,Matplotlib.
- **Machine and Deep Learning Libraries:** Sklearn, Tensorflow, Keras.
- **Computer Vision and NLTK Libraries**: NLTK, Hadoop, Spacy,mediapipe, HuggingFace, Opencv & Pillow
- **Machine Learning Algorithms**: Supervised, Unsupervised Algorithms (Regression, Random Forest, Decision Tree, SVM, SVC, KNN, K-means, Naive Bayes, Xgboost), Dimensionality Reduction (PCA), NLP, Word2vec, Bert, LSTM Generation,Text Classification.
- **Deployment** - Flask/Fastapi,Streamlit.
- **Gen Ai** -Langchain,Llama Index,RAG,Agents,Function Calling,Image Generation(Stable Diffusion),Ollama,Fine Tunning(LoRA,QloRA).
- **Vector DB** - FAISS,Chroma db,Object box,Pinecone

ACHIVEMENTS

Hackhaeven 1.0 - First Prize Winner | Hackathon   (NLP, Deep Learning, Transformers, Machine Learning)

- **Participated and emerged as the winner in the 24-hour "Hackhaeven 1.0" Hackathon.**
- **Developed "Fight The Fraud," a financial fraud detection product utilizing Machine Learning, Deep Learning Transformers, and Reinforcement Learning technologies.**
- **Have experience in 7 to 8 offline 24-hour AI/ML hackathons where we created real-time projects.**

KEY PROJECTTS:

Multi Source Document QNA using Retrieval Chain

- **Technologies: Langchain, RAG, LangSmith, Groq Inferencing LLM,Mistral,Gemma**
- **Developed a Document Question-Answering system employing Langchain Chain Retrieval Method for accurate information extraction and responses.**
- **Created LLMOPs with Langsmith by tracing the Groq API, enhancing question-answering capabilities with Gemma-7b and Mistral-7b models.**

Fight the Fraud (Fraud Transaction Detection)

- **Technologies: NLP, Deep Learning, Transformers, Machine Learning**
- **Developed a Fraud Detection system utilizing advanced NLP and Deep Learning models to identify fraudulent SMS and phishing transaction links.**
- **Employed sophisticated algorithms for detecting fraudulent online transactions from CSV data, integrated with a user-friendly Flask-based interface.**

Story-Teller - Text to Audio and Images (Video)

- **Technologies: Stable Diffusion, Text-to-Speech, MoviePy, Transformer**
- **Spearheaded the development of a text-to-image and audio storyteller application.**
- **Leveraged Stable Diffusion for generating images based on textual prompts and utilized pre-trained text-to-speech models to create corresponding narration.**
- **Integrated these elements using the MoviePy library to produce engaging multimedia stories in the form of videos.**

MediNops: Your Personalized Health and Wellness Platform

Technologies: RAG, Gemini-pro LLM, Langchain, Gen AI

- **AI Nutritionist and Calorie Count: Analyzed food images for calorie detection and provided personalized diet plans based on individual needs.**
- **Intelligent Diet Planner: Offered custom meal suggestions considering weight, height, preferences, and activity level.**

- **RAG Diabetic Bot: Managed diabetes with a user-friendly chatbot offering information, support, and personalized guidance.**
- **Health Guide Bot: Provided access to a comprehensive health information resource and personalized insights based on user queries.**

EDUCATION

o **Bachelors** in Computer Science and Data Sciencce| D J Sanghvi College of Enggineering in Mukmbai **Cgpa: 8.2**   **Pursuing:**2026
o **HSC 12th** | Viva Junior College | Virar,Mumbai| **Pct: 80.17**   **Completed:** June 2022

VOLUNTERING EXPERIENCE

DJS NSDC (2023-2024)
Logistic Co-Comm

DJS Victors (2023-2024)
Team Manager

DJS Trinity (2023-2024)
Co-Captain (Data Science)