SAI NITHISH DASARI

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PROFILE SUMMARY:

Enthusiastic AI/ML Engineer with expertise in building and deploying **scalable machine learning models**. Extensive experience in **cloud platforms (AWS)**, leveraging **LLMs**, **Generative AI**, and **DevOps pipelines** to deliver high-quality, secure solutions. Proficient in **Python**, **MLOps**, and **AI frameworks**.

SKILLS:

- **EXPLORATORY DATA ANALYSIS, DATA PREPROCESSING, DATA VISUALIZATION, MODEL BUILDING (USING SCIKIT LEARN, MATPLOT, SEABORN – LIBRARIES)**
- **MACHINE LEARNING & AI: SUPERVISED & UNSUPERVISED LEARNING, DEEP LEARNING (PYTORCH), NLP.**
- **KNOWLEDGE IN GEN AI, LANGCHAIN, RAG, FINETUNING, LLMs (GPT, CLAUDE, GEMINI, LLAMA).**
- **MLOPS: CI/CD PIPELINES, MODEL DEPLOYMENT, FLASK, REST APIS, DOCKER**
- **CLOUD PLATFORMS: AWS (LEX, CONNECT, LAMBDA, SAGEMAKER), GOOGLE CLOUD, MICROSOFT AZURE.**
- **PROGRAMING: PYTHON, SQL, GO LANG(BASICS)**

EDUCATION:

Bachelor of Technology (B. Tech)

KAKATIYA INSTITUTE OF TECH AND SCIENCES (KITS), Warangal, Telangana | CGPA: 6.53

WORK EXPERIENCE:

Amazon | Process Associate – Competitor Monitoring Team (CMT)

Duration: 2.2 Years

- Integral team member in successful Amazon E-commerce launch in Poland, Sweden.
- Collaborated with **cross-functional teams** to analyze competitor trends, increasing **sales revenue by 10%**.
- Implemented **data analytics solutions**, improving customer retention by 15% and market share by 20%.
- Provided strategic insights based on **market analysis**, influencing critical decision-making.

AI & ML Internship | Ramana Soft (6 months)

- Focused on **ML model development** using GenAI techniques, including **LLMs** and **Lang Chain**. • Collaborated with senior engineers on implementing **AI solutions** across various business applications.

AI Engineer | Quad One Technologies

- Focused on GenAI advancements, applying them in Clinion product, Clinical Trails, Medical Coding.

Works &PROJECTS:

GEN AI – PROJECTS :

REAL-TIME LOAN DATA MANAGEMENT AND ANALYSIS SYSTEM

- **Technologies:** LLM, RAG, RESTAPI, MySQL (XAMPP), Flask, AWS Lambda, Lex.
- **Description:** Designed and implemented a real-time loan eligibility system, utilizing LLMs and RAG to streamline data processing and analysis.
- **Key Contributions:**
  - Deployed on AWS leveraging Lambda functions to automate loan approval workflows.
  - Integrated secure coding practices to protect sensitive customer data.

RESUME ANALYSIS USING LANGCHAIN, RAG AND LLMS:

- **Technologies:** LangChain, OpenAI GPT-3.5, RAG, AWS
- **Description:** Revolutionized the resume shortlisting process by implementing LLMs and retrievalaugmented generation (RAG) for more accurate and fair candidate assessment. (Addressed current problems with resume shortlisting)
- **Impact:** Enhanced recruitment efficiency by 25% through automated resume parsing and analysis.

QUESTION AND ANSWERING APPLICATION

- **Technologies:** OLAMA, MongoDB, Gradio, MongoAtlasSearch, Google Cloud, Vector Embeddings
- **Description:** Developed an advanced Q&A system for Amazon reviews, textbooks, and data science documents using OLAMA for sentiment analysis and MongoDB for efficient data storage.
- **Key Contributions:**
  - Designed a user-friendly web interface using Gradio.
  - Achieved high-accuracy question-answering through vector embeddings.

SENTIMENT ANALYSIS FOR YOUTUBE PLAYLIST

- **Technologies:** Python, YouTube Data API, YouTube Transcript API, Flask, Google Cloud
- **Description:** Built a system to analyze and extract sentiment from YouTube video content, providing insights to improve user engagement and content moderation.
- **Key Contributions:**
  - Deployed the solution using CI/CD pipelines and Google Cloud, ensuring high availability.
  - Improved sentiment detection accuracy by 15%, brand monitoring.

MACHINE LEARNING PROJECTS:

NIFTY 50 AND TOP 10 PERFORMING STOCKS ANALYSIS USING LSTM

- **Technologies:** Python, LSTM, NumPy, Pandas, Matplotlib, Seaborn, Exploratory Data Analysis.
- **Description:** Developed a stock analysis platform focusing on NIFTY 50 and the top 10 performing stocks over the last 2 years. This system forecasts stock prices using LSTM models to provide insights into market trends.
- **Impact:** Enhanced investment decision-making.

RECOMMENDATION SYSTEM FOR BLOGS AND SEARCH ENGINE:

- **Technologies**: Python, Flask, OLAMA LLM, Vector Embeddings, Docker, Google Cloud
- **Description**: Developed a recommendation system to suggest **relevant blogs and search results** based on user preferences, query history, and content similarity using **LLMs and vector embeddings**.
- **Impact**: Improved user engagement by **20%** with personalized recommendations and enhanced search relevance through **real-time insights and query matching**.

OTHERS:

End to End Zen ML , MLops Use cases(Pocs).

Google Fit App Data Analytics and suggesting key health measures,Insights.

ACKNOWLEDGEMENT:

I hereby declare that the above information mentioned is correct up to my knowledge.