SUYOG B

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Summary

Innovative Software Engineer and Data Science professional with expertise in Android development, Python, Java full-stack development, and industry-level data science projects. Skilled in deploying cutting-edge technologies like Large Language Models (LLMs) and Generative AI to build robust applications, fine-tune AI models, and integrate APIs. Proven track record of independently leading projects and staying updated on AI and tech advancements.

Experience

Retail Kloud9 Technologies India Pvt. Ltd. | Karnataka, Bengaluru
Data Science Intern | 12/2023 - 09/2024

- Engaged in industry-level projects focused on Large Language Models (LLMs) and Generative AI, delivering innovative solutions.
- Independently developed multiple applications utilizing LLMs, demonstrating strong problem-solving and technical skills.
- Implemented Langchain and LlamaIndex to enhance AI applications.
- Utilized platforms like Ollama to run LLMs (OpenAI, Gemini, LLama, Mistral) for optimal performance and accuracy.
- Created and deployed an e-commerce chatbot using Azure OpenAI with Retrieval-Augmented Generation (RAG) for product recommendations.
- Applied prompt engineering to improve LLMs' response quality and contextual understanding.
- Designed user-friendly AI interfaces using Streamlit and deployed them in production environments.

Jspider -Training & Development Center | Karnataka, Bengaluru
Java Full Stack Developer | 01/2023 - 06/2023

- Completed comprehensive 6-month training in Java Full Stack Development, mastering front-end and back-end technologies.
- Acquired in-depth knowledge of Core Java, focusing on object-oriented programming, data structures, and algorithms.
- Developed responsive web interfaces using HTML, CSS, and basic JavaScript.
- Designed and implemented relational databases using SQL for effective data management.
- Built robust back-end services and APIs using Spring Boot.
- Integrated front-end and back-end technologies to deliver complete web applications.
- Engaged in hands-on coding, debugging, and peer code reviews to enhance technical proficiency and collaboration skills.

DLithe | Karnataka, Mangalore
Coding and testing using Python | 05/2021 - 06/2021

- Developed foundational Python programming skills, focusing on data structures and object-oriented programming.
- Engaged in coding and testing activities, adhering to best practices for clean, efficient, and maintainable code.
- Improved reliability and performance of Python applications through debugging and testing.
- Collaborated within an Agile framework, contributing to iterative improvements during sprints, stand-ups, and retrospectives.
- Utilized GitHub for version control and collaborative development, mastering essential Git commands and workflows.

Projects

ECOMMERCE CHATBOT USING LLM

- Developed an ecommerce chatbot using Azure OpenAI, implementing a system that recommends products based on user interactions.
- Utilized a CSV file for Retrieval-Augmented Generation (RAG), cleaning and preparing data for optimal LLM performance.
- Designed a user-friendly interface with Streamlit, ensuring an intuitive and engaging user experience.
- Deployed the chatbot application, integrating it seamlessly with the backend to provide real-time product recommendations.

- Conducted extensive testing and optimization to ensure accuracy and efficiency in product suggestions.

BRAIN TUMOR DETECTION - MACHINE LEARNING PROJECT
- Collaborated with a team of 3 members to design and develop an Automatic Brain Tumor Detection System.
- Utilized Machine Learning techniques to classify MRI images and implemented a Pre-Trained Model using Python and Keras.
- Improved the accuracy of the self-trained model from 97% to 98.1% through rigorous experimentation and optimization.
- Developed a responsive website using HTML to showcase project details and findings.
- Created an Android application using Java and XML in Android Studio to provide mobile access to the Brain Tumor Detection System.
- Ensured seamless integration between the website and Android app for enhanced user accessibility and usability.

Skills

Python, Pandas, Numpy, Artificial Inteligence (AI), Machine Learning (ML), Data Science, Spark, Natural Language Processing (NLP), Regression analysis, Analysis skills, Langchain, Llamaindex, TensorFlow, MLflow, Java, HTML5, CSS3, JavaScript, SQL, XML, Graphic Design

Education

N. M. A. M. Institute of Technology | Nitte, Karnataka
Bachelor of Engineering , Electronics and Communications | 01/2023

Languages

English, Kannada, Hindi, Tulu, Spanish

Activities

Android App Development Workshop

- Birla Institute of Technology and Science, Pilani

Developer Student Club Google, DSC NMAMIT
- NMAMIT, Nitte

Certification

Java Full Stack Developer - Jspider

Generative AI with Large Language Models - DeepLearning.AI, Amazon Web Services (AWS), Coursera

Natural Language Processing Specialization - DeepLearning.AI, Coursera

Building Agentic RAG with LlamaIndex - DeepLearning.AI, Coursera