MADHAN MOHAN REDDY P

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PROFESSIONAL SUMMARY

Passionate about **AI/ML** technologies, I have over 2.8 years of experience in software development. Currently pursuing a PG in Machine Learning and Artificial Intelligence from **IIIT Bangalore**, I am eager to transition into a **Data Science** role. I excel in building strong application logic, using generative AI for creative solutions, and uncovering valuable insights from complex datasets. Committed to continuous learning and innovation, I am enthusiastic about applying my technical skills and analytical mindset in a dynamic data science environment. Check out my own GPT : AIO-GPT

SKILLS

Data Science: Numpy, Pandas, Matplotlib, Data Cleaning, Data Analysis
AI/ML : Deep Learning, NLP, Generative AI, LLMs, Vector Databases, RAG, Regression Models, OpenCV
Programming Languages: Java, Python, SQL
Frameworks: LangChain, Transformers, TensorFlow, Scikit-Learn

WORK EXPERIENCE

Software Engineer at FIS GLOBAL (Fidelity Information Services) - Bangalore
Oct 2022 - Present

- Develops Java enhancements and bug fixes for banking clients in North America, taking ownership of tasks and coordinating with BA and QA teams to resolve defects.

- Fixed bugs in core banking projects, including US TAX forms and retirement plans.

- Utilized generative AI techniques, including LLM models, to create innovative prototypes and solutions in the **Innovation** event.

IT Trainee at FIS GLOBAL - Bangalore
Oct 2021 - Oct 2022

- Added functionality to existing banking applications and fixed bugs reported by JIRA tickets.

- Worked on enhancements as per US regulatory requirements and client-reported issues.

- Gained experience in Jira, Bitbucket, and Git.

EDUCATION

Pursuing PG Diploma in Machine Learning and Artificial Intelligence
International Institute of Information Technology, Bangalore(IIIT B)

Bachelor of Technology in Computer Science and Engineering (CSE)
Sir CV Raman Institute of Technology and Science, Tadipatri, Andhra Pradesh | 2021

Diploma in Computer Engineering (CME)
Government Polytechnic College, Proddatur, Andhra Pradesh | 2018

PROJECTS

- **AIO GPT(*Custom chat-bot*):** a custom chatbot capable of generating text, analyzing and creating images, and summarizing YouTube videos. To ensure the chatbot remains accurate and up-to-date, I created a Python package that fetches real-time information and provides it to the LLM, ensuring the response is accurate.

- **Chat with PDF(*RAG*)**: Developed a retrieval-augmented generation (RAG) application using the Gemini-pro model for interacting with PDF documents. Integrated FAISS vector search for efficient document indexing and retrieval. Built using Streamlit for an intuitive user interface.

- **Gesture Recognition:** Developed a hand gesture recognition project using Deep Learning models, including Transfer Learning and Generators.

- **House Price Prediction:** Implemented a Linear Regression model to predict house prices.

- **AI/ML Projects on GitHub:** Check out my projects developed using LLMs and LangChain.

- **Fine-Tuned LLMs:** Explore my Hugging Face profile for fine-tuned large language models (LLMs) based on public datasets.

ACHIEVEMENTS

- Awarded by FIS management for reaching the finals in the INNOVATE48 event and recognized for outstanding contributions to automation.