AMAL A P

📞 7012041653   ✉ amalapsenior@gmail.com   in https://linkedin.com/in/amal-a-p   ○ https://amal862001.github.io

PROJECTS

COLD EMAIL GENERATOR USING GENERATIVE AI | *Link*

- Built an AI-powered cold email generator using Langchain and Llama model.
- Automated job posting extraction and portfolio integration with chromadb.
- Developed a Streamlit interface for easy interaction and email generation.

PREDICTION OF SUBJECT BASED ON QUESTION | *Link*

- Developed a machine learning model to predict the subject category of questions using NLP techniques.
- Employed NLP preprocessing steps like tokenization, stemming, and stop-word removal, improving performance by 30%.
- Applied TF-IDF for feature extraction, increasing model accuracy by 10%.
- Trained and fine-tuned the model, reducing runtime by 40% and enhancing system efficiency.

MEAL PLANNER APP WITH SQL & LLM INTEGRATION | *Link*

- Built a personalized meal planner app tailored to user dietary preferences.
- Integrated SQL database for managing user profiles and preferences.
- Leveraged LLMs to generate diverse, realistic meal recipes from user input.
- Designed a user-friendly interface to enhance accessibility and usability.

EXPERIENCE

LUMINAR TECHNOLAB   December 2023 – July 2024

Data Science Intern   *Cochin*

- Mastered fundamental Python syntax, proficiently utilizing control flow,loops,functions and data structures.
- Clean, Analyze and Build Meaningful Insights from Data using Python Libraries NumPy, Pandas and Matplotlib.
- Data Analysis and Visualization using Microsoft Power BI.
- Implement Machine Learning and Deep Learning Algorithms using Scikit-Learn and TensorFlow.

TECHNICAL SKILLS

Languages/Database: Python, MySQL (Stored Procedures, Query Optimization)
Technologies/Frameworks/Libraries: Pandas, NumPy, Matplotlib, Scikit-learn, NLTK, Spacy, TensorFlow
Cloud & Tools: AWS, Power BI
Version Control: Git, GitHub
Concepts: Artificial Intelligence, Machine Learning, Deep Learning, NLP, Retrieval-Augmented Generation (RAG), Generative AI

CERTIFICATIONS

Certifications & Training: Python For Data Science (IBM), Completed an online Course on Machine Learning and Data Science Bootcamp (Udemy).
Awards: Attained the 'Contributor' performance tier on Kaggle, a leading platform and online community for data scientists and data science competitions.

EDUCATION

National Institute Of Technology, Calicut   August 2019 – May 2023

Bachelor of Technology in Chemical Engineering   *Calicut, Kerala*