PYTHON:
Streamlit ,SQlite3 ,Flask ,OOPS ,Fast API
MLOPS TOOLS AND CLOUD:
Git ,Docker ,DVC ,MLFlow ,Git Action ,EC2 ,S3 ,ECR ,AWS Bedrock
MACHINE LEARNING:
Regression ,Classification ,Clustering , Ensemble Methods ,Evaluation Metrics ,Data preprocessing ,Feature selection
DEEP LEARNING:
ANN ,CNN ,Transfer learning models ,Tensorflow , Optimization ,GANS
NATURAL LANGUAGE PROCESSING:
RNN ,LSTM ,GRU ,EncoderDecoder, Transformers ,Bert ,Textpreprocessing ,Huggingface
GEN AI:
RAG ,LangChain ,Open AI ,Tools & Agents ,Fine Tuning ,VectorDB ,Llama ,LLMs ,Crew AI ,Diffusion models ,OCR, Prompt En
BID DATA:
Hadoop ,Pyspark ,Hive ,MapReduce
DATA ANALYTICS:
SQL Server ,MongoDB ,Statistical Analytics ,Pandas ,Matplotlib ,seaborn ,Snowflake ,Numpy ,Hypothesis Testing
INTERNSHIP:
FRONT-END DEVELOPER USING FLASK
04/2022 - 05/2022
Iconix software solution,Tirunelveli
Designed & developed a college website using Flask, SQL, HTML, CSS, Bootstrap.Implemented user authentication & dynamic co
As a recent graduate with a passion for the world of Machine Learning , Deep Learning ,and Natural Language Processing ,I have
EDUCATION
Bachelor of Engineering in Electronics and Communication Engineering
Francis Xavier Engineering College ,Tirunelveli CGP-8.87■2020 - 06/2024
Secondary School Leaving Certificate (SSLC)
Rosemary Model School,Tirunelveli percentage-91.3%■2019- 2020
Higher Secondary Certificate (HSC)
Rosemary Model School,Tirunelveli percentage-95.6%■2017 -2018
PROJECTS
Network Security System – Phishing Detection
Implemented a modular coding approach in a phishing detection system, real-time using 31 key features to enhance network secu
Enhances internet security by automating phishing detection and preventing online scams. Extracted phishing dataset from Mongo
For data drift detection, it leverages Evidently AI to monitor distribution shifts and ensure model reliability
Trained multiple ML models, tracked experiments using MLflow, and achieved 97.8% accuracy.
Implemented automated model versioning: The best-performing model is continuously uploaded to S3 after each training cycle.
GitHub Actions automates the CI/CD pipeline. The solution is containerized using Docker and deployed on AWS EC2 for scalabilit
Chest Disease Classification
Developed a classification model using achieving 96% accuracy in identifying multiple diseases from CT scan with modular coding
Can assist remote areas with limited radiologists by providing automated diagnoses.
Users upload CT scan images through the Flask interface, and the model predicts the disease using the transfer learning model.
Utilized MLflow for experiment tracking, comparing different models, and optimizing hyperparameters and DVC for version control
GitHub Actions automates the CI/CD pipeline.
Named Entity Recognition (NER) for News & Intelligence Analysis
Develop an NER-based system that automatically identifies and classifies key entities from news articles, intelligence reports, or s
Governments, journalists, and analysts can quickly extract and categorize key entities (locations, organizations, geopolitical entitie
Fetched and pre-processed large-scale news datasets directly from Amazon S3. Used Hugging Face Transformers to train a custo
Performance: Achieved 93% accuracy after 15 training epochs.

Multilingual Voice AI Assistant

Developed a AI assistant names as RISPAH that supports text and voice responses, enhancing user engagement in 5+ languag

Helps individuals with visual impairments or motor disabilities by providing a hands-free voice interface.

Users speak or type their queries via Streamlit app, and the assistant processes the input using Gemma LLM via Groq API, impro

Enabled chat history retention and conversation memory, allowing the assistant to recall and refer to past conversations, creating

COURSES/CERTIFICATES:

Full Stack Data Science Bootcamp - iNeuron 2022 2024

Complete Generative AI Course With Langchain and Huggingface- udemy 2025

Complete python course -udemy 2024

Declaration

I hereby declare that the information provided above is true and correct to the best of my knowledge and belief.