

KARUPPASAMY V

ML Engineer/Data Scientist

+91 73393 68926 @ karuppasamy12041998@gmail.com https://kpayyam1998.github.io/Portfolio_KP/ Chennai,Tamilnadu

TECH STACK

Programming Languages

Python SQL

Library

numpy pandas matplotlib

streamlit flask scikit-learn tf-keras

openai langchain HuggingFace

gemni ai

Tools

VS-Code Jupyter-Notebook

Google Colab Power-BI

MACHINE LEARNING PORJECTS

LIBRARIES

- **Tech : Python, Python, Pandas, NumPy, matplotlib,Scikit-Learn,Flask**
- **Tools :Tech: Jupyter Notebook, VS Code.**

Generative AI Projects

- <https://github.com/kpayyam1998/End-to-End-Medicalchatbot>
- **Medical-Chatbot,**
- **MCQ Generation**
- **ATS,**
- **YTTranscripiter ,Invoice Extracter**
- **Tech:** Python, Pinecone, Chroma,OpenAI,Langchain,GBT-3.5,GenerativeAI
- **Tools:** Jupyter Notebook, VS Code.

Car Price Prediction

- https://github.com/kpayyam1998/ML_car_price_end_to_end/
- Developed end to end car price prediction using ML techniques

IPL Score Prediction

- https://github.com/kpayyam1998/End_to_End_IPL_Prediction/
- Developed end-to-end ML model for IPL match score prediction Integrated Flask for frontend.

Student Performance Prediction

- <https://github.com/kpayyam1998/End-to-End-MLproject>
- Developed end to end student score prediction model using ML techniques

Capstone Project

- https://github.com/kpayyam1998/ML_Capstone_Project
- Developed ML techniques such as Regression,Classification, whatsapp chat ,twitter analysis

Face detection

- https://github.com/kpayyam1998/Face_Detection_CNN
- Face detection using deep learning technique.

SUMMARY

With a solid foundation built upon 2 years 7 months software development along with hands-on experience in data analysis and machine learning. I've honed my skills in programming languages and frameworks and have a knack for tackling complex technical challenges.

EXPERIENCE

Data Scientist - Intern

- iNeuron.ai 10/2023 - 03/2024
- Led the development of a machine learning system with over 80% accuracy in hardware malfunction prediction, demonstrating mastery in advanced predictive modeling techniques..
 - Enhanced business outcomes through innovative data manipulation and analysis during a hands-on internship with **iNeuron's data science team**, directly contributing to personalized solutions and revenue growth.
 - Real-World Impact: Applied machine learning and data science expertise in a real-world setting, driving significant improvements in personalization, margin, and conversion rates through strategic model development and implementation.

Software Developer

- IGT Solutions 2022 - Present Chennai
- Played a pivotal role in the development and enhancement of the HRG online travel booking platform, leveraging BizTalk and C# to facilitate comprehensive travel arrangements (flight, car, hotel, rail) for UK Government, UK Commercial, and Government of Canada users.
 - Achieved mastery over the application's full suite of features within a year, encompassing search, fare comparison, booking, cancellation, and payment processing, while continuously expanding my technical skill set through ongoing feature development and enhancements.

Associate Software Engineer

- UST Global 2021 - 2022 kerala
- Initiated career journey at UST Global, acquiring foundational IT knowledge and Python coding expertise.
 - Started career at UST Global, gaining comprehensive skills in IT environment, teamwork, and Python coding. Assisted senior data science team in developing innovative machine learning models to drive business growth.

ADDITIONAL SKILLS

Machine Learning

Data Collection- EDA Preprocessiing Visualization Model building Regression

Classification DecisionTree KNN XGBoost Clustering DeepLearning NLP

Generative AI

OpenAI HuggingFace Langchain Opensource LLM Llam gemni

PromptTemplate Pinecone ChromaDB GBT Llama2

EDUCATION

Master of Computer Application GPA 8.3 / 10.0

Mepco Schlenk Engineering College 2018 - 2020

CERTIFICATION

Azure AZ-900, Azure AI-900

Numpy , Pandas , Statistics , Datascience Bootcamp

LANGUAGES

Tamil Native English Proficient

ACHIEVEMENTS

Generative AI- Webinar

- IGT Solutions
- Conducted comprehensive Generative AI webinar within the organization, covering topics including OpenAI, Hugging Face, A21 Labs, Lang Chain, prompt template usage, function call mechanisms, agent interactions, and database management with Pinecone and Chroma DB