

ARSATH KHAN.A

STUDENT

I'm passionate about learning and upskilling in both supervised and unsupervised learning techniques in Machine Learning. I'm always striving to enhance my skills in AI, Machine learning and Deep Learning.



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EDUCATION

COLLEGE

PRATHYUSHA ENGINEERING COLLEGE

2020 - 2024

Course

- B.TECH ARTIFICIAL INTELLIGENCE AND DATA SCIENCE
- CGPA : 8.49

PERSONAL PROJECTS

FaceID: Advanced Facial Recognition and Object Detection System

- Created FaceID, an advanced system detecting faces and recognizing known and unknown individuals with color codes. Incorporated YOLO for broader object detection. Set up PostgreSQL for organized data storage and built an easy-to-read dashboard for insights. Showcased skills in computer vision, databases, and analytics.
- Technologies Used** : Python, Opencv, Yolo, Face Recognition, Numpy, Pandas, PostgreSQL, HTML, CSS, Flask, PowerBI, Object Detection.

RFAnalytics : Unveiling Customer Segmentation for Personalized Marketing Success

- RFM analysis to gain insights into customer behavior and develop customer segments. The goal is to identify high-value customers, assess at-risk customers, and explore potential opportunities for personalized marketing campaigns.
- Technologies Used** : Python, Pandas, Numpy, Scikit-Learn, Matplotlib, Plotly, Feature Engineering, EDA, Segmentation, Clustering.

MindVibe: Predicting Mental Fitness and Recommending Activities for a Balanced Life

- Created MindVibe, a web app that predicts users' mental fitness and recommends well-being activities using machine learning algorithms. By analyzing lifestyle inputs like diet and stress, the app categorizes mental fitness as 'Low,' 'Moderate,' or 'High.' It then provides tailored activity suggestions for each category.
- Technologies Used** : Python, Numpy, Pandas, Scikit-Learn, Flask, HTML, CSS, Bootstrap.

INTERNSHIPS

AI and Data Science Engineer Intern
Skypler Technologies

09/2023 - 02/2024

Chennai

During my internship, I showcased exceptional proficiency and dedication, particularly in Deep Learning and Data Science. Notably, I led projects focused on real-time object detection using YOLO and contributed significantly to model development, training, and testing, resulting in enhanced project accuracy and efficiency. Additionally, I gained experience in deploying models on websites using Flask. **Key Skills:** Deep Learning, Data Science, Real-time Object Detection (YOLO), Model Development, Model Training, Model Testing, Flask Deployment.

AI Intern

Edunet Foundation

06/2020 - 07/2023

Remote

During my internship at Edunet Foundation, I led the development of MindVibe, a machine learning-powered web app forecasting users' mental well-being and offering personalized activities based on lifestyle inputs. This project showcased my expertise in full-stack development and data analysis. **Key Skills:** Full-stack Development, Data Analysis, Machine Learning, Personalized Recommendations, Model Development, Flask Deployment.

SKILLS

PYTHON

TENSORFLOW

OPENCV

KERAS

SCIKIT-LEARN

NLTK

DATA PREPROCESSING

PANDAS

EDA

NUMPY

FEATURE ENGINEERING

MODEL BUILDING

POWERBI

FLASK

STREAMLIT

POSTGRESQL

HTML

CSS

BOOTSTRAP

SQL

ACHIEVEMENTS

Winners of Hackstart 2023 Startup-Hackathon IIT-MADRAS (04/2023)

Secured the prestigious 1st position at Hackstart, an Data Sciecnce hackathon spotlighting innovative startups in India, hosted during the esteemed e-Summit 2023 at IIT Madras.

CERTIFICATES

Tensorflow developer professional certificate

DeepLearning.ai

Python for Data Science

cognitiveclass.ai

SQL for Data Science

coursera.org

Machine Learning with Python

freecodecamp.org

Convolutional Neural Network In TensorFlow

DeepLearning.ai

Natural Language Processing in TensorFlow

DeepLearning.ai

LANGUAGES

TAMIL

Native or Bilingual Proficiency

ENGLISH

Professional Working Proficiency

INTERESTS

AI

DEEP LEARNING

MACHINE LEARNING

DATA SCIENCE

NLP

COMPUTER VISION

OBJECT DETECTION

FRONTEND DEVELOPMENT