Madan P
Student

My Contact

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Skill

- Python
- Machine Learning
- HTML, CSS
- Communication

Areas of Interest

- Data Analyst
- Machine Learning

Education Background

- **Kongu Engineering College, Perundurai**
  Pursing Bachelor of Technology in Artificial Intelligence & Machine Learning

- **Bharani Park Matriculation Higher Secondary School, Karur**
  Completed HSC in 2021 with 82%
  Completed SSLC in 2091 with 76%

Language

- English
- Tamil

About Me

I am a responsible and orderly individual, eager to embark on my first professional work experience. I aim to bring strong organizational skills, attention to detail, and a reliable work ethic to a dynamic environment. I look forward to contributing to a team, learning from experienced professionals, and applying my academic knowledge in a practical setting.

Projects

DRIVER DROWSINESS DETECTION

- The UTA Real-Life Drowsiness Dataset is used to Train the model, which the video are converted into frame by using Open Computer vision Library and the frame are annotated using RoboFlow tool. Yolov8 model is used to train and build the Driver Drowsiness Model, which the model detect Drowsy, Sleepy or Awake. Each labels get accuracy of 91%, 86% and 96%.

ROAD ACCIDENT SEVERITY PREDICTION

- The Road Traffic Accident (RTA) Dataset is used for Train the model, the dataset contains the class labels of three types which indicates the severity like Slightly injury, Serious injury and Fatal injury. Numpy, Pandas and Scikit-Learn libraries to import dataset, to perform Feature Extraction and to Train the Different type of Machine Learning Algorithms. We use five Mahcine Learning Algorithms to compare the accuracy which model predict the output more similar, they are Decision Tree classifier, Random Forest Classifier, AdaBoostClassifier, Support Vector Machine, MultinomialNaive Bayes. Support Vector Machine give the highaccuracy of 96%.

WEATHER PREDICTION

- The Seattle Weather dataset is used to Train the model, the dataset contains four class labels , they are sun, rain, drizzle, snow. We use five Machine Learning Algorithms for prediction namely, Decision Tree Classifier, Random Forest Classifier, K-Nearest Neighbor(KNN) classifier Logistic Regression, Extreme Gradient Boosting Classifier(XGBoost). So, the KNN and XGBoost Give the maximum accuracy of 98.6% and 97%.

Experinece

Internship - Universiti Teknologi PETRONAS Malaysia, gaining hands-on experience in Machine Learning, while collaborating with a multidisciplinary team to drive research initiatives. Worked on project to analyze the Power Consumption in India on Machine Learning model for Time Series Forecasting.