Naif Nizami *Data Science | Machine Learning*

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Naifnizami

Malappuram,Kerala

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Profile

Dedicated data science enthusiast with a positive attitude and problem-solving skills who is ready to succeed in demanding digital intelligence processing environments. I worked on the most recent advances in machine learning, with a focus on cleaning, exploring, and extracting information from raw and formatted data.

Confident in working with a diverse set of data, developing basic to advanced models to provide functional and valuable insights

Professional Experience

Internship- Data Science and AI 11/2021 – Present | Ernakulam,Kerala

ExpertzLab Technologies

- For product placement, I built a website structure using HTML5, CSS, and JS.
- Using pandas, numpy, matplolib, tableau, and MySQL for database storage, I cleaned, explored, and visualized both raw and formatted data.
- For version control, I set up GitHub repositories.
- Contributed to the development of basic and advanced ML and DL models
- Django and Flask were used for model deployment via APIs and basic websites.
- Provide useful insights from the data

Projects

Traffic Signals Classifier

- Task: To Classify 40+ Traffic signal Images using Machine Learning from 50K+ images
- Final Solution: Using CNN and Neural Network Image Classifier was built with an Accuracy score of 99.2%
- Impact: This model may be used for self-driving or detecting traffic signals in real-time.

Sentiment Analysis

- Task: To conduct a Sentiment Analysis survey for texts
- Final Solution: An NLP model was created using the concept of Bag_of_Words and TFIDF vectorizer which classifies a positive and negative sentiment

Age_Gender_Ethnicity Classification

- Task: To Classify 22k+ images Based on Age, Gender, and Ethnicity
- Final Solution: Using CNN and ANN Different Classifiers are created which classify the former traits

HeartDisease Detection

- Task: Based on a given set of parameters predict whether there is a risk of having heart disease
- Final Solution: Using a Multi-Layered Perceptron(ANN) model was built which predicts the possibility of having a heart disease
- Impact: Can be implemented into Health systems for early diagnosis of Heart disease

Spam Detector
An Multi Layered Neural Network capable of classifying whether an Email is Spam or not spam

Task: Classify SMS into Spam or Not Spam

Final Solution: Using a Multi-Layered Perceptron (ANN) Model built which classifies the TFIDF transformed data into Spam or Not Spam

Impact: The model can be used for classifying future SMS texts

Facial Detection
Using ML model to Detect Facial Photos and Classify 40 distinct Faces

Imagify

Image training and Repairing - using GAN

Education

Bachelor of Science in Mathematics 06/2018 – 06/2021
Gems Arts & Science College affiliated to the University of Calicut — Malappuram, Kerala,India

Technical Skills

Python (with subsequent libraries) **Machine Learning** **Deep Learning** **ANN** **CSS**

NLP **CNN** **EDA** **MySQL / BigQuery** **JavaScript** **Django** **HTML5**

Languages

English ***Malayalam*** **Tamil (partially)** **Hindi (partially)**