ABESHEK A

9080771276
abeshek.a@gmail.com
LinkedIn

OBJECTIVE

To apply my existing knowledge of Machine Learning and Data Science in an appropriate field as a Data Scientist that challenges my skills and updates my knowledge on new technology and methods.

EDUCATION

Bachelor's Degree | VIT Chennai
2021 – 2025 (ONGOING)
Course: B.Tech CSE Core (3rd Year)

Current CGPA: 9.03

Higher Secondary Education | SBOA School and Junior College
2019 – 2021
Passed 12th grade with 95.8%

Senior Secondary Education | SBOA School and Junior College
2007 – 2019
Passed 10th grade with 93.4%

SKILLS

- Experience in developing machine learning models, ANN, CNN, RNN, NLP models and GANs
- Data Visualization using Matplotlib and Seaborn
- Python, C, C++, Java
- UiPath
- Experienced in used SQL Database
- Experience in working with R Studio and MATLAB
- Experience in working with Unreal Engine 4
- Basic HTML, CSS, JavaScript

CERTIFICATES

- Data Science, Machine Learning and Deep Learning Bootcamp (Udemy) – Completion: 2023
- Tensorflow Developer Certificate: Zero to Mastery – Year of Completion: 2023
- RPA Developer Foundation (UiPath) - Year of completion: 2023

PROJECTS AND EXPERIENCE

RPA Developer Intern | qBotica

SEPT 2023 – NOV 2023

I'm working as an RPA developer in UiPath. During my internship period, I automated the process of extracting data from several documents as per customer needs and I also worked on a voice bot to automate several UI Actions based on a live conversation.

Traffic Sign Detection | VIT Chennai

SEPT 2023 – ONGOING

The project aims to develop an image processing model to classify Traffic Sign Images. The model was developed using PyTorch and several Benchmark Datasets were used for training and evaluation of our model.

Team Size: 5 Environment Used: Windows, Python

Rice Leaf Disease Detection | VIT Chennai

NOV 2023

The project aims to develop an image processing model to identify the type of disease from an image of a Paddy leaf. The model was developed using tensorflow which achieved an accuracy of around 99.5%. The model consists of attention mechanism and a new activation function for better accuracy and novelty.

Team Size: 4 Environment Used: Windows, Python

Tomato Leaf Disease Detection | VIT Chennai

SEPT 2023 – OCT 2023

The project aims to develop an image processing model to identify the type of disease from an image of a tomato leaf. An ensemble model was developed with several individual CNN models and a unique Gradient Optimization techniques for better results and novelty.

Team Size: 4 Environment Used: Windows, Python

Brain Tumor Segmentation | VIT Chennai

MAY 2023 – SEPT 2023

The project aims to develop an image processing model to segment Brain tumor from MRI Scans. The BraTS Dataset is being used to train the model. A CNN model was developed with attention mechanisms to segment the tumor from the MRI Scans and classify the type of tumor.

Team Size: 4 Environment Used: Windows, Python

Vehicle Loan Repayment Prediction | Self

MAY 2023

The project predicts whether a customer will repay the loan based on the information collected. The dataset which is used is the "NBFI Vehicle Loan Repayment Dataset" from Kaggle. After preprocessing the data, a machine learning model is created and trained for predicting whether the customer will repay the loan or not. Several machine learning models have been created and compared which gave the highest accuracy of 92.64%.

Environment Used: Windows, Python. Tools: Scikit Learn, Pandas, Jupyter Notebook

Battleship Game | Self

NOVEMBER 2021

The project creates a Battleship game which is a strategy-type guessing game that prompts the players to guess the location of a ship. If the player guesses the location correctly, the ship is hit and each ship requires several hits to be destroyed. The first to destroy all of the opponent's ships wins the game.

Environment Used: Windows, Java. Tools: JDK

Hotel Management Software | SBOA School and Junior College

AUGUST 2021 – SEPTEMBER 2021

The project developed is a software that can be used to record all the activities that take place in a hotel such as check-in, check-out, laundry services, restaurant services, room service, maintaining an employee database, and keeping track of the parking space used by the customers. The project was developed in Python environment with the help of the Tkinter library for GUI.

Team Size: 3 Environment: Windows, Python Tools: Tkinter Role: Implementation of check-in, check-out, room service and keeping track of the parking space used by the customers.