MAHESHWARAN A

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Objective

A tech enthusiast and recent graduate with a flair for problem-solving and a keen interest in emerging technologies. Seeking an entry-level position in IT where I can apply my strong analyticaland communication skills, coupled with a passion for staying ahead in the rapidly evolving tech landscape, to contribute effectively to a forward-thinking team.

Education

Government College of Engineering, Erode — 2020-2024
B.E.ECE
Percentage: 79.59

Velan Vikhass Matric Higher School, Palani, Dindigul — March 2020
HSC
Percentage: 75

St.Pauls Matriculation School, Palani, Dindigul — March 2018
SSLC
Percentage: 96

Experience

Inside sale strategist - [Remote Sale Consultant] — February 2024 to April 2024
Rinex eLearning Company — *Bengaluru ,Karnataka*

- Collaborated with other departments to ensure effective execution of strategies.
- Conducted research on competitors and their marketing activities.
- Designed and executed comprehensive market surveys to identify customer needs.

Machine Learning Intern — August 2021 to October 2023
NSIC — *Remote, India*

- Generated reports on model performance evaluation results.
- Researched new methods of machine learning to stay up-to-date with industry trends. Created dashboards to visualize insights from the data.
- Maintained version control repositories such as Git or SVN. Utilized a variety of techniques, including linear regression, logistic regression, decision tree, random forest, gradient boosting, and neural networks.
- Constructed supervised and unsupervised learning models using Python libraries like Scikit-Learn, TensorFlow, and Keras.

Data Science and Analysis with ML Intern — July 2023 to July 2023
Pantech eLearning company — *Chennai,India*

- Collaborated with data engineers to ensure accurate data flow between systems.
- Evaluated the performance of machine learning models using metrics such as accuracy, precision and recall. Conducted research on various ML techniques and libraries.
- Implemented supervised and unsupervised algorithms such as KNN, SVM, Random Forest. Researched and implemented methods to improve scalability of deep learning models.

Projects

Mental Health AI Chatbot Feb 2024-Apr 2024 — *Python, Natural language Processing(NLP), LLM*

A mental health chatbot is an Al-driven virtual assistant providing immediate mental health support and resources 24/7. It engages users through text or voice interactions, offering mood tracking, stress-relief exercises, information on mental health conditions, and guidance through therapeutic techniques like Cognitive Behavioral Therapy (CBT).

Perinatal Health Risk Prediction Jul 2023-Jul 2023 — *IBM, Python, Machine Learning*

Built a predictive model to assess perinatal health risks for expecting mothers.Performed feature engineering and data analysis to extract relevant insights from healthcare data.Employed machine learning techniques to identify potential health risks early in pregnancy.

Cat vs Dog Prediction using OpenCV and Machine Learning — *Python, OpenCV, Machine Learning*

Created a machine learning model to distinguish between images of cats and dogs. Utilized OpenCV for image preprocessing and feature extraction. Trained a convolutional neural network (CNN) to classify images with high accuracy.

Facial Recognition Attendance System using Python & OpenCV *Python, OpenCV*

Developed a facial recognition system for automated attendance tracking in educational institutions or workplaces. Utilized OpenCV for face detection and recognition tasks. Implemented an efficient algorithm to match faces against a database of known individuals

Car Price Prediction Jul 2023-Aug 2023 *Python, Machine Learning*

Developed a predictive model to estimate the price of used cars based on various features. . By utilizing regression techniques, the model will learn the patterns and factors influencing car prices, contributing to a more transparent and data-driven approach in the automotive market.

Breast Cancer prediction Jul 2023-Aug 2023

The "Breast Cancer Detection" project focuses on developing a machine learning model to assist in the early detection of breast cancer. Leveraging medical imaging data, particularly mammograms, the project aims to classify images as either indicative of benign or malignant tumors.

Loan Status Prediction Jul 2023-Aug 2023 *Python, Machine Learning*

The "Loan Status Prediction" project focuses on developing a machine learning model to predict the likelihood of a loan applicant's approval or default. By analyzing various applicant data points, such as credit scores, income levels, employment history, and existing debts, the project aims to provide accurate predictions on loan repayment status.

Hate Speech Detection *Python, Natural Language Processing*

Built a machine learning model to identify hate speech and offensive language in text data. Utilized natural language processing techniques for text preprocessing and feature extraction. Implemented classification algorithms to classify text into hate speech and non-hate speech categories.

Technical Skills

Programming : Python, PHP, HTML, CSS, MYSQL

Libraries: Pandas**,** NumPy, Matplotlib and Seaborn, SciPy, NLTK

Machine Learning: Scikit-learn, TensorFlow, Pytorch, Keras

Data Visualization: Matplotlib, Seaborn, Tableau, Power BI, Geoplotlib

Data Visualization Tools: Tableau, Power BI

Statistical Analysis: Descriptive Statistics, Inferential Statistics

Machine Learning Algorithms : Linear and Logistic Regression, Decision Trees, Random Forests, SVM, Neural Networks.

Data Preprocessing: Data Cleaning, Data Integration, Data Transformation, Data Reduction and Data Discretization

Languages

Tamil, English

Declaration

I declare that the information and facts stated above are true to the best of my knowledgeand belief.