

MANU V J

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Profile

- Motivated and dedicated MCA graduate with a strong passion for data science. Seeking a challenging position in the field of data science to apply my knowledge and skills.

Professional Experience

Data science Intern

2023/11 – 2024/06

- My role involved hands-on experience with Python, SQL, and various data science libraries such as pandas, NumPy, and scikit-learn.

Projects

Password Manager

- Designed and implemented a secure password manager utilizing Python programming language.
- This application efficiently stores and organizes user credentials while employing robust encryption techniques to ensure data confidentiality.

IMDb DataSet Analysis

- SQL to conduct in-depth analysis of the IMDb dataset, extracting valuable insights and trends from a vast collection of movie-related data.
- Leveraged SQL queries to explore various aspects of the dataset, including movie ratings, genres, actors, directors, and release dates.

Hotel Reservation Prediction

- Developed a predictive model to forecast hotel reservation cancellations using supervised machine learning techniques. Utilized data preprocessing, feature engineering, and algorithm selection to build a robust model.
- Employed methods such as decision trees, and random forests to analyze booking patterns and customer behavior. Achieved a high accuracy rate, enabling better management of hotel inventory and improved customer satisfaction through targeted retention strategies.

Virtual Calculator using OpenCV

- Implemented a hand detection and gesture recognition system using OpenCV and the cvzone library. The system captures real-time video feed from a webcam and interprets specific hand gestures to input digits and operations into the calculator.

Face Mask Detection Using Convolutional Neural Networks(CNN)

- The model was trained to distinguish between individuals wearing masks and those without, achieving high accuracy through extensive data augmentation and model optimization techniques.

TECHNICAL SKILL

SQL

- Proficiency in SQL: Ability to write complex queries for data extraction, manipulation, and analysis.
- Database Management: Experience with relational database management systems like MySQL

Python

- Data Analysis: Experience with data manipulation libraries like Pandas and NumPy for cleaning and analyzing data.

Seaborn

- Data Visualization: Skilled in creating advanced statistical plots and visualizations using Seaborn.

Matplotlib

- Plotting and Graphing: Proficiency in creating a wide range of static and interactive visualizations using Matplotlib.

Machine Learning

- Model Development: Experience in developing machine learning models using libraries such as Scikit-Learn and TensorFlow.

Deep learning

- Frameworks: Proficiency in deep learning frameworks like TensorFlow, Keras.
- Convolutional Neural Networks (CNNs): Experience with CNNs for tasks like image classification and object detection.

PowerBI

- Data Visualization: Proficiency in creating interactive and insightful dashboards and reports using Power BI.
- DAX Language: Skilled in writing DAX (Data Analysis Expressions) for custom calculations and data analysis.

Education

Masters in Computer Applications

Don Bosco College ,Angadikadavu

2021 – 2023

Kannur University

Percentage:72.43%

B.Sc.Mathematics

Nirmalagiri College,Koothuparamba

2018 – 2021

Kannur University

Percentage:81.29%

Certificates

Data Analytics Internship

Completed internship program in DATA ANALYTICS provided by senchola.

Data Science Certificate (IBM)

Successfully completed IBM's Data Science Certificate program. Strengthened understanding of data science concepts and best practices through comprehensive coursework.