

Mutharasi K

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SUMMARY

Enthusiastic data analytics student dedicated to unraveling the stories hidden within data. With a solid foundation in machine learning algorithms, statistical analysis, and data visualization, the goal is to leverage these skills to derive insights that inform strategic initiatives. Passionate about collaborating on innovative projects that utilize data-driven approaches to solve complex problems.

EDUCATION

Master of Science in Data Analytics

Bharathiar University, Coimbatore

CGPA 3

June 2023 - Present

Bachelor of Science in Computer Science

Mangayarkarasi College of arts and science for women, Madurai

CGPA 3.2

July 2019 - August 2022

SKILLS

Languages Python, R, SQL

Libraries & Framework Pandas, Numpy, Matplotlib, Seaborn, TensorFlow, Keras, beautiful soup
Streamlit

Machine Learning and Deep Learning Basic knowledge of Regression, Classification, Clustering, Predictive Modeling, Object Detection, NLP, CNN

Tools & Technologies Power BI, Tableau, Git, GitHub

PROJECTS

Automatic Number Plate Recognition

Developed a ANPR system using YOLOv8 for license plate detection and EasyOCR for character recognition. Integrated SQLite to store detected license plate data for efficient retrieval and management. Designed a Streamlit-based user interface to process video streams and provide seamless user interaction.

Python, YOLOv8, OpenCV, EasyOCR, SQLite, Streamlit

Browser-Based Face Liveness Detection System

Built a real-time face liveness detection system using a lightweight MobileNet model for UIDAI. Achieved detection speeds under 500 ms with high accuracy and ensured robust spoof resistance attacks.

Python, tensorflow/keras, MobileNet, WebRTC API, openCV

CERTIFICATION

- **Data Analysis with Python**, Freecodecamp, June 2024
- **Big Data Computing**, NPTEL, Oct 2024