

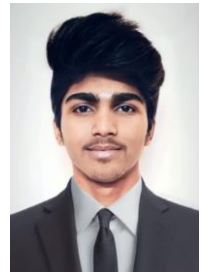


MUTHUPALANI R

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Education

B.Tech in Artificial Intelligence and Data Science

Karpagam College of Engineering, Coimbatore

(2022–2024)

CGPA 8.30

Experience

OCTANET

(September 2023 – October 2023)

- Interned at Octanet gaining knowledge and experience in Python development.
- Acquired practical knowledge in HTML, CSS, database management

Certifications

Machine Learning Using Python (September 2023–September 2023)

Free Code Camp | Online

- Gained proficiency in Machine Learning algorithms and their implementation Using python libraries such as Scikit-Learn.
- Developed hands-on experience through projects involving data preprocessing Model training, evaluation and optimization.

Introduction to Automation

(September 2023 – September 2023)

UI Path | Online

- Acquired foundational knowledge of automation principles and best practices using UIPath tools.
- Gained practical skills in designing and implementation basic automation workflows to improve efficiency and accuracy in business process.

Projects

AI –Based tool for preliminary diagnosis of dermatological manifestation

LLM, JavaScript, Django, React, GitHub

(February 2024–May 2024)

- The scope of the project was to develop an AI-powered tool to assist in the preliminary diagnosis of dermatological conditions, promoting early detection and treatment.
- My role in the project involved designing and implementing the AI model using Python frameworks.
- The outcome of the project was a functional AI-based tool that significantly improved the accuracy and efficiency of preliminary dermatological diagnoses, enhancing patient care and treatment outcomes.

MLOPS for predictive maintenance | VS Code, Docker, Streamlit (March 2024–April 2024)

- Developed a robust MLOps system for wine quality prediction, utilizing machine learning techniques to assess wine quality.
- Led the MLOps implementation using VS Code for development, Docker for containerization, and Streamlit for interactive data visualization.
- Enhanced the predictive accuracy and operational efficiency of the model, facilitating better quality control and decision-making in wine production.

AutoML House Price Prediction | H2O.ai, Tpot, Google Colab (February 2024–March 2024)

- Developed an AutoML-based system for predicting house prices to streamline the real estate valuation process and improve pricing accuracy.
- My role involved leading the implementation of AutoML algorithms using Python, H2O.ai AutoML, and TPOT frameworks, along with Docker for model deployment.
- The project significantly improved prediction accuracy and efficiency, facilitating better pricing strategies and decision-making in the real estate market.

TechnicalSkills

Languages	Python, C , R programming, Java
Databases	MySQL
Tools	Github, Docker, Google Colab
ML/DL Frameworks	Numpy, Pandas, Matplotlib, Scikit-learn

SoftSkills

- Public Speaking
 - Attention to detail
 - Communication
 - Time Management
 - Problem-solving
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