

KOUSHIK MURALI


Data Scientist and AI Enthusiast


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SUMMARY


I am a Data Scientist and AI Enthusiast with expertise in Machine Learning, Deep Learning, and Data Analytics. I have successfully developed predictive models and AI-driven tools, particularly in healthcare and automation. With strong problem-solving skills and technical proficiency in Python, SQL, and front-end technologies, I am eager to leverage my knowledge to create impactful AI solutions.

KEY ACHIEVEMENTS

**Efficiency Improvement Model**
Improved operational efficiency by 30% using machine learning.

**Deep Learning Predictor**
Achieved 85% accuracy with PyTorch on medical images.

**Object Detection Optimization**
Detected objects with 89% and 25 FPS.

**Ensemble Healthcare Model**
Multi-disease prediction with 87% accuracy.

EXPERIENCE

Artificial Intelligence Intern

Edunet Foundation

01/2025 - 02/2025

Internship focused on artificial intelligence and machine learning applications related to operational efficiency

- Developed machine learning model improving operational efficiency by 30% through optimized feature engineering
- Designed deep learning disease predictor achieving 85% accuracy using PyTorch on medical imaging datasets
- Developed a machine learning model that improved operational efficiency by 30% through optimized feature engineering, data preprocessing, and model tuning. Automated data transformation to enhance accuracy and scalability.

EDUCATION

B.Tech in Computer Science & Business Systems

Rajalakshmi Institute of Technology

08/2023 - Present

Higher Secondary

Srimathi Maharani Bai Jumna Doss Vaishnav Higher Secondary School

2021 - 2023

SKILLS

Deep LearningFigmaModularPowerBIMatplotSeabornPandasPythonTensorFlow

JavascriptHtmlcssreact.JSPyTorchSQLSVM

TRAINING / COURSES

Data science course

Mastering the fundamentals of data science covering essential concepts and techniques

Python pandas

Learning Python with a focus on using Pandas for data analysis and manipulation

Introduction to Figma

Introduction to UI/UX design and functionality using Figma

Python: From Zero to Hero Code Your Way to the Top

Udemy

PROJECTS

Real-Time Object Detection (YOLOv3)

Real-Time Object Detection using YOLOv3

- Achieved 89% mAP on COCO dataset with optimized anchor boxes and NMS parameters
 - Deployed on edge devices maintaining 25 FPS throughput using TensorRT optimization
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Multi-Disease Prediction System

🔗 <https://github.com/koushik-777/disease-prediction--using-ml>

System designed for predicting multiple diseases

- Ensemble model combining RF and SVM achieving 87% F1-score on UCI Medical dataset