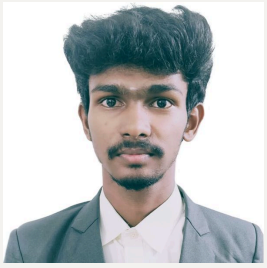

MUTHURAJA M

Artificial Intelligence and Machine Learning Engineer

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https://leetcode.com/u/muthuraja05980/

https://github.com/Muthuraja997

EDUCATION

B.Tech, Artificial Intelligence and Machine Learning 2022-2026
Sri Shakthi Institute of Engineering and Technology CGPA -7.78
Anna University

HIGHER SECONDARY
Government Higher Secondary School
- **SSLC** 2020 - 68.4%
- **HSC** 2022 - 80.5%

SKILLS

- Python
- SQL
- DBMS

AREAS OF INTEREST

- Machine Learning
- Data Engineer

KEY STRENGTHS

- Team Collaboration
- Problem Solving

CERTIFICATES

- Python - GUVI
- Pandas - Udemy

LANGUAGES KNOWN

- Tamil
- English

HOBBIES

- Book Reading
- Meditation

SUMMARY

Dedicated AI & ML student pursuing a bachelor's degree, proficient in Python and SQL, with strong problem-solving skills demonstrated by solving 300+ problems on LeetCode. Passionate about applying technical skills to develop real-world applications and deliver innovative solutions in the software industry.

PROJECTS

Terrain Recognition System
- Developed a terrain recognition System using a Convolutional Neural Network (CNN) architecture to classify different terrain types. Utilized Python for data preprocessing, CNN training, and evaluation

Technologies Used: Deep Learning, Scikit-learn,Python
Link: GitHub - Muthuraja997/Terrain_Recognition

Sentiment Analysis Using YouTube Watch History
- Developed a sentiment analysis system to analyze YouTube watch history and categorize user preferences based on watched content. Utilized the YouTube Data API to extract video metadata (title, description, duration) and applied Natural Language Processing (NLP) techniques to determine sentiment polarity (positive, negative, or neutral).

Technologies Used: Python,Pandas,NLTK & TextBlob,Matplotlib
Link: GitHub-https://github.com/Muthuraja997/Youtube-History-Analysis.git

Lung Cancer Prediction using Machine Learning
- Developed a machine learning-based predictive model to identify lung cancer in patients based on medical data. The project involved data preprocessing, and implementing various classification algorithms such as K-Nearest Neighbors (KNN), Decision Tree, Random Forest, Logistic Regression, and Artificial Neural Networks (ANN). Evaluated model performance using metrics like accuracy, confusion matrix, This project helped in understanding the impact of different features on lung cancer prediction and improving diagnostic accuracy.

Technologies Used: Python, Pandas, Scikit-learn, TensorFlow, Matplotlib
Link : GitHub-https://github.com/Muthuraja997/Lung-Cancer-Prediction-using-Machine-Learning