RENGITH KUMARAN.R

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CAREER OBJECTIVE

I want a highly rewarding career where I can use my skills and knowledge for organizational and personal growth.

EDUCATIONAL QUALIFICATIONS

- B.Tech (Artificial Intelligence & Machine Learning) from Manakula Vinayagar Institute of Technology, Puducherry, 2021-2025 Batch with CGPA of 8.2
- HSC from Stansford International Hr. Sec. School in the year 2021 with 74.1%.
- SSLC from Stansford International Hr. Sec. School in the year 2019 with 60%.

CO-CURRICULAR ACTIVITIES

- Event coordinator for a Technical symposium
- Student Joint Secretary for department of AI&ML.
- Published paper in 6th International IEEE Conference.

EXTRA CURRICULAR ACTIVITIES

- Volunteered in MP Election 2024.
- Played in a school Level Cricket Competition.

SOFT SKILLS

- Adaptability.
- Team player.
- Leadership Skill.

CERTIFICATIONS

- AWS academy – Introduction to machine learning.
- Great Learning-C for Beginners.
- Great Learning-Python for Beginners.

TECHNICAL SKILLS

Programming Languages:

- C
- Python

PROJECT DETAILS

MINI PROJECT

PHISHING SITE DETECTION USING MACHINE LEARNING

In this project, a machine learning model for phishing site detection is developed. The model enhances internet security and lowers the risk of cyberattacks by differentiating between phishing and legal websites based on factors including URL structure and content analysis.

MAIN PROJECT

REAL-TIME SIGN LANGUAGE DETECTION AND CUSTOM GESTURE RECOGNITION USING VISION TRANSFORMER AND LSTM MODELS

Real-time sign language detection and custom gesture recognition are essential for aiding individuals with hearing and speech impairments. This project introduces a hybrid Vision Transformer (ViT) and LSTM-based model for gesture recognition. ViT extracts image features, while LSTM classifies gestures. The system accurately detects standard and custom gestures, showing potential for wearable devices.

AREA OF INTEREST

- Object Oriented Programming.
- Machine Learning.