

NIDIGINTI SRILEKHA

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OBJECTIVE

To put my abilities and learning skills to best use and make my effective contribution to an organization for a bright and rewarding career.

PROFISSIONAL SUMMARY

Highly motivated and detail-oriented MCA graduate with a strong foundation in software development, Programming and database management. Proficient in languages like Java, Python, and c++, with hands-on experience in web development, data structures, and algorithms.

Knowledgeable in database technologies such as MySQL and MongoDB, along with exposure to cloud computing and cybersecurity concepts.

Strong problem-solving skills, eagerness to learn emerging technologies, and the ability to work effectively in team environments.

Seeking an opportunity to leverage technical skills and contribute to innovative IT projects in a dynamic organization.

SKILLS

Programming Languages: Python, Java

Web Technologies: HTML

Database: MySQL

Cloud Platforms: AWS

Robotic Process Automation: UiPath

PROJECT

Hand Gesture Recognition for Multi-Culture Sign Language (Deep Learning Network)

- Sign Language to communication between individuals who are hard of hearing and non-deaf individuals.
- The Existing system we can use traditional computer vision techniques, such as feature extraction, template matching, and machine learning algorithms. Like support vector machines and k- nearest neighbors.
- These methods often require manual feature engineering, which can be time- consuming and less adaptable to variations in hand shapes, sizes, and environmental conditions
- The proposed system aims to enhance hand gesture recognition by utilizing deep learning techniques.
- The use of deep learning algorithms will improve the model's robustness against noise, lighting variations, and background clutter.

System Requirements:

Programming Languages: Python

Deep learning Libraries: TensorFlow, Python Storage: 50GB+ for datasets and model training

Modules:

Data Collection & Preprocessing Module

Feature Extraction Module

Graph Neural Network-Based Classification Module

Deep Learning-Based Gesture Recognition Module

Real-Time Recognition & Deployment Module

Evaluation & Performance Module

EDUCATION

Annamacharya Institute of Technology & Science

Master of Computer Applications (MCA)

Percentage – 85%

Academic Year: 2023-2025

Kakathiya Degree College: Degree (BSC)

Percentage – 80%

Academic Year: 2018-2022

D.K.M Junior College: Intermediate (MPC)

Percentage – 61%

Academic Year: 2016-2018

Z.P.P High School

S.S.C (10th class)

Percentage – 73% Academic Year: 2015-2016

CERTIFICATES

NPTL ONLINE CERTIFICATION

-Software Testing

LANGUAGES

Telugu

English