

Kasuganti Venkata Mokshith Rao

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CAREER OBJECTIVE

Motivated IT student with expertise in Python, web development, MySQL, and machine learning, eager to apply problem-solving skills in AI-driven applications and data analytics within a growth-focused organization.

EDUCATION

Master of Science in Data Science IIIT - Hyderabad	2024 - Present
B.Tech CMR Institute of Technology	2020 - 2024 CGPA - 7.70
INTERMEDIATE NSR impulse Junior College	2019 - 2020 CGPA - 9.22
SSC SR Prime School	2017 - 2018 CGPA - 9.2

PROJECTS

Audio/Text to sign language🔗

- Developed a web application that converts English text into Indian Sign Language (ISL) to bridge the communication gap for hearing-impaired individuals.
- Integrated Natural Language Processing (NLP) techniques to analyze and map text/audio input to ISL signs. Collaborated with a team to Implement the backend using Python (Django). Utilized libraries such as NLTK to optimize the NLP model.

HandDino – Gesture-Controlled Chrome Dino Game using OpenCV🔗

- Developed a computer vision-based controller to play the Chrome Dino game using real-time hand gestures detected via webcam.
- Used OpenCV to track motion and implemented gesture-based “jump” functionality with PyAutoGUI to simulate spacebar presses.
- Tuned HSV color thresholds to handle varying lighting conditions, improving gesture accuracy.

Loan Prediction using Machine Learning Algorithm🔗

- Developed a machine learning model to predict loan approvals based on applicant data.
- Conducted data preprocessing and feature engineering to enhance model accuracy.
- Implemented classifiers using Python (Pandas, NumPy, Scikit-learn), achieving 85% prediction accuracy.

TECHNICAL SKILLS

- **Programming Languages:** Python
- **Web Technologies:** HTML, CSS
- **Database:** MySQL
- **Tools:** Git/GitHub, Google Colab, MS Office, Figma
- **Libraries:** OpenCV, NumPy, Pandas, Scikit-learn, TensorFlow, Keras, PyTorch

CERTIFICATIONS

- Google Data Analytics - Coursera 2023
- Artificial Intelligence Foundation Rookie - FUTURESKILLS 2023
- Crash Course on Python - Coursera 2023
- AWS Academy Machine Learning Foundations - EDUSKILLS 2023
- AWS Academy cloud foundation - EDUSKILLS 2023

LANGUAGES

- English
- Telugu
- Hindi