KONUDULA NITHIN KUMAR REDDY

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ABOUT ME

I am a highly motivated Data Science student with a passion for technology and problem-solving. With a strong foundation in Java, front-end development, and machine learning, I actively explore new tools and frameworks to expand my expertise in full-stack development and AI applications.

EDUCATION

B.Tech in Computer Science (Data Science)
CGPA: 8.69/10
B.V. Raju Institute of Technology, Narsapur   2022 – Present

Intermediate (Telangana State Board of Intermediate Education)
Percentage: 88.0
Sri Chaitanya Junior Kalasala, Hyderabad   2020 – 2022

PROJECTS

A comprehensive website for Deaf People

- Created a website for deaf individuals with ASL learning models, including video tutorials and quizzes.
- Added a scoring system for quizzes, storing data securely in a database.
- Included a feedback section for user input to enhance the platform.

Tech Used: Node.js, Express.js, React.js, MongoDB, JWT

College Hostel Management Website

- Developed a website to simplify hostel-related tasks for students, digitizing the entire process.
- Enabled students to request outing permissions from wardens and raise issues faced in the hostel.
- Allowed wardens to accept or reject outing permissions and mark issues as resolved or not resolved.

Tech Used: Node.js, Express.js, React, MongoDB, JWT, Twilio

Sign Language Detection through Action Recognition

- Developed a model to detect and predict sign language from video, converting it to text, unlike static image-based systems.
- Utilized face expressions, hand gestures, and pose detection to enhance accuracy, extracting key-points and frames for classification.
- Employed LSTM for temporal analysis, improving prediction over existing methods.

Tech Used: Python, LSTM, MediaPipe Holistic, OpenCV, PyTorch

SKILLS

Languages:	Java, Python (Basic) , Javascript , SQL
Web Technologies:	HTML, CSS, JavaScript, ReactJS , NodeJs , ExpressJs , MongoDB
Tools:	Git , GitHub , Jupyter Notebook , Google Colab

ACHIEVEMENTS

Runner-Up - Code Breakers Competition, Promethean Tech Event.   December - 2023

CERTIFICATIONS

IBM SkillsBuild - IBM SkillsBuild Mastering Data with Machine Learning

NPTEL Programming in Java

INFOSYS Programming using Java

WORKSHOPS

Workshop on Blockchain Technology   October - 2024

Workshop on Generative AI   March - 2024

INTERESTS

Machine Learning AI – Enthusiast in building intelligent systems for real-world applications.

Full Stack Development (MERN) – Interest in developing end-to-end applications.