

# Vivek Reddy Kesavarapu

📍 Ongole, India

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## EDUCATION

### SESHADRI RAO GUDLAVALLERU ENGINEERING COLLEGE

B.TECH IN INFORMATION  
TECHNOLOGY

2020 - 2024 | Gudlavalleru, India  
CGPA: 8.48

### SRI PRATIBHA JUNIOR COLLEGE

INTERMEDIATE - MPC

2018 - 2020 | Ongole, India  
Percentage: 95.5%

## SKILLS

### PROGRAMMING

Python, C Language, Java

### DATA SCIENCE

NumPy, Pandas, Matplotlib

### DATABASE

MySQL

### TOOLS

Git, GitHub, VS Code, Google

Colaboratory

### AI TOOLS

ChatGPT, Gemini, GenAI, Copilot

## CERTIFICATIONS

- Programming Essentials in C | Cisco
- Joy of Computing Using Python | NPTEL
- CS50 Certification | Harvard
- Google Digital Marketing Certification
- Python MPC Course | GUVI
- Azure Developer Associate AZ-204 | Microsoft

## ACHIEVEMENTS

- Chair person for **ACM SRGEC** Student Chapter in BTech for one year
- Served as **Class Representative** for one year in BTech
- **Academic Topper** in Intermediate 1st Year (11th Standard)
- Awarded as the **Academic Topper** in 10th standard (SSC)

## EXPERIENCE

### SMARTINTERNZ | ML & DL EXTERNSHIP

Jan 2023 - June 2023

- Collaborated with a team of four to develop and fine-tune a deep learning model for accurate age and gender prediction from images and achieved 93% accuracy.

## PROJECTS

### SPEECH TO SIGN LANGUAGE CONVERSION WEBSITE | NLP | DEEP LEARNING | PYTHON | SQLITE

Jan 2024

- Developed a real-time web application using NLP, implemented the backend with Python and an SQLite3 database, and leveraged a dataset of over 2,000 GIFs to achieve a 92% translation accuracy rate.

### AGE AND GENDER PREDICTION | CNN | PYTHON | OPENCV | TENSORFLOW | MACHINE LEARNING

May 2023

- Integrated OpenCV for real-time image processing and TensorFlow to train the CNN model on a large and diverse dataset of over 26,580 images, achieving an accuracy rate of 91% on age prediction and 94% on gender classification.

### MY PORTFOLIO WEBSITE | HTML | CSS | JAVASCRIPT | EMAILJS | AI-CHATBOT

Aug 2023

- Integrated an AI chatbot, trained with portfolio data to manage up to 100 chats per month, and included a contact form with EmailJS for efficient user queries and notifications.

## WORKSHOPS

- Created fully operational line follower and voice-controlled robots as part of a 2-member team during an **Ardubotics Robotics** workshop at VIT.
- Merit Certificate in **Ethical Hacking** workshop and stood among top 5, organized at SRGEC by Indian Servers.
- Completed 5 levels in a **drone flying** challenge during a workshop on Drone Technology at SRGEC.
- Participated in a **2D game design** workshop using Buildbox by APSSDC.

## PUBLICATIONS

- [1] K. Vaishnavi, M. F. Akbar, T. Balaji, K. V. Reddy, and M. S. Rani, "A Natural Language Processing Approach to the Translation of Speech into Indian Sign Language," *2024 International Conference on Distributed Computing and Optimization Techniques (ICDCOT)*, Bengaluru, India, 2024. 🔗 [Link](#)