Sri Divya Chinni Devaki Kandregula

+91 9542823119 | Visakhapatnam, AP| divya1.kandregula@gmail.com |Linkedin | Github

PROFILE

As a motivated final-year Computer Science Engineering student, I'm looking for opportunities to apply my skills in a dynamic and innovative environment. I have a strong interest in technology, with basic knowledge in Java, machine learning and object-oriented programming. I am excited to contribute my skills and enthusiasm to a creative team.

EDUCATION

Bachelor of Technology - Vellore Institute of Technology, Amaravati **2021 – 2025**

- Computer Science and Engineering with Specialization in Artificial Intelligence and Machine Learning
- CGPA: 8.81

Intermediate Education - Narayana Junior College, Boyapalem , AP **2019 – 2021**

- Percentage: 87.1

Secondary Education – Prasanthi Niketan M.V.V.S Murthy E.M.H. School , Anakapalle , AP **2018 – 2019**

- CGPA: 9.8

SKILLS

Technical Skills: Java, Python, SQL, OOPS , DSA

Specialization: Artificial Intelligence and Machine Learning

Tools: Jupyter Notebook, Google Colab, Visual Studio, Eclipse , Github

Competitive Coding Platform: Codechef, HackerRank

Soft Skills: Adaptability, Problem-Solving, Time Management

PROJECTS

Bridging the Communication Gap: Advanced ASL Alphabet Recognition Using VGG16

- *Final Year Project (IEEE Published)* July 2024 - Dec 2024

- Developed an ASL recognition system using **VGG16** to improve communication for the deaf and mute community.
- Achieved 98% accuracy in recognizing American Sign Language (ASL) alphabets using the VGG16 deep learning model, enabling accurate conversion of hand gestures into readable letters.
- Used a pre-trained VGG16 model and fine-tuned it with ASL image data to improve performance, making the system more accurate and reliable.

Vegetable Classification using Deep Learning Jan 2024 – Apr 2024

- *Lab Project*

- Developed a **CNN** model for classifying vegetables, using a variety of dataset samples and applying data preprocessing techniques such as data augmentation to enhance model generalization.
- Achieved 90% accuracy by training the model on 80% of the data and testing it on the remaining 20%.
- Demonstrated the model's potential for practical applications in agriculture and retail.

Horology 2.0: Forecasting the Future of Smartwatch Prices Aug 2023 – Nov 2023

- *Internship Project*

- Developed predictive models with **Linear Regression**, **Decision Tree Regression**, and **Random Forest Regression** to forecast smartwatch prices based on historical and market data.
- Analyzed historical pricing data and market trends to generate meaningful insights.
- Created a user-friendly tool to present predictions and aid decision-making in the wearable tech market.

CERTIFICATIONS

- AWS Certified Solutions Architect – Associate (AWS SAA) - Certified
- Smart Internz Externship AI & ML (SMARTINTERNZ) - Certified

ACHIEVEMENTS

- Presented and published a research paper titled "**Bridging the Communication Gap: Advanced ASL Alphabet Recognition using VGG16**" at ICSCNA-2024 (IEEE Conference). The AI project aims to improve communication for the deaf and mute community.