Sri Divya Chinni Devaki Kandregula

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PROFILE

B.Tech Computer Science graduate specialized in Artificial Intelligence and Machine Learning. Skilled in developing and implementing ML models with hands-on project experience. Core Java developer with a strong foundation in object-oriented programming, and familiarity with HTML, CSS, and AWS cloud basics. Eager to solve technical challenges, learn new tools, and grow in a fast-paced AI startup by applying and expanding my skills.

EDUCATION

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

- Computer Science and Engineering with Specialization in AI and ML
- CGPA: 8.97

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

TECHNICAL SKILLS

- **Programming & Databases:** Python, Java, SQL, HTML, OOPs
- **AI/ML Expertise:** Machine Learning, Deep Learning (CNN, VGG16), Regression Models, Data Preprocessing
- **Tools & Platforms:** Jupyter Notebook, Google Colab, Visual Studio, GitHub
- **Cloud:** AWS (S3, EC2, VPC, IAM,RDS)

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 using **Linear Regression**, **Decision Tree**, and **Random Forest** to forecast smartwatch prices from 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 Bridge 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, an IEEE international conference.