C Vijaya Krishna

+91-8248381689
vijayakrishnachetula@gmail.com
https://github.com/vijayakrishnachethula
https://www.linkedin.com/in/vijaya-krishna-911549251/
https://vijayakrishnachethula.netlify.app/

EDUCATION

- B.Tech CSE (Artificial Intelligence & Machine Learning) | VIT Bhopal University, Bhopal | 2022 - Present | CGPA: 7.77

TECHNICAL SKILLS

- Languages: Python, C++.
- AI & Machine Learning: Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn, TensorFlow, Keras, NLP.
- Databases: MySQL
- Tools: Git, GitHub
- App Deployment: AWS, Streamlit (local & cloud)

PROJECTS

Authenticity.AI – AI Image Authenticity Detector [Live Demo] (GitHub) ***June 25***

- Engineered a MobileNetV2-based CNN with Transfer Learning, reaching 95.3% accuracy on 10K+ images for real vs. AI-generated classification.
- Launched a Streamlit web app with glassmorphism UI, enabling 100+ real-time users to upload and analyze images/PDFs using PyMuPDF.
- Streamlined model versioning with Git LFS and TensorFlow/Keras, reducing deployment cycle time by 30%.
  Technologies: Python, TensorFlow, Keras, Streamlit, MobileNetV2, NumPy, Pillow, PyMuPDF, Git, Git LFS, CNN, Transfer Learning, Deep Learning, Image Processing, Web Development

Neuro Doc – Intelligent OCR Document Reader (GitHub) ***May 25***

- Architected an OCR pipeline that processed 500+ PDFs/images, transforming unstructured documents into searchable text.
- Boosted OCR accuracy by 22% via OpenCV preprocessing integrated with Tesseract OCR.
- Accelerated document handling with pdf2image, cutting multi-page PDF processing time by 30%.
- Delivered a Streamlit interface for real-time uploads, enabling instant extraction and visualization.
  Technologies: Python, OpenCV, Tesseract OCR, pdf2image, NumPy, Streamlit, OCR, Image Processing, Data Extraction

PlantDoc.AI – Plant Disease Detection System (GitHub) ***April 24***

- Developed a VGG-style CNN trained on 50K+ PlantVillage images, achieving 91% accuracy through Transfer Learning and augmentation.
- Enhanced model generalization by 18% using rotation, zoom, and flipping techniques.
- Deployed the model on Raspberry Pi, enabling on-field plant disease detection in under 1.5 seconds per image.
- Implemented a Streamlit dashboard with real-time predictions, adopted by 20+ test users for validation..
  Technologies: Python, TensorFlow, Keras, OpenCV, Raspberry Pi, Streamlit, NumPy, Matplotlib, CNN, Computer Vision, Edge AI, Data Augmentation, Image Processing

.

ACHIEVEMENTS

- Zelestra X AWS ML Ascend Challenge 25: Achieved a global rank of 19th out of 1500+ active teams by developing high-performing ensemble models for solar energy loss prediction.
- Smart India Hackathon 23: Selected as a Finalist in the university-wide Internal Hackathon, recognized for proposing innovative solutions to real-world challenges.

CERTIFICATES

- GEN AI Using IBM Watsonx – **IBM** | Apr 25
- Applied Machine Learning in Python – **University of Michigan & Coursera** | Dec 23
- Python Essentials – **Vityarthi** | May 23

Extracurricular Activities.

- Coordinated the Tamil Club, leading 5+ cultural events and language workshops that promoted Tamil heritage and attracted 200+ attendees across the campus