Durvesh Kanade

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EDUCATION

A.P Shah Institute Of Technology – CGPA 8.72 Thane, India
Bachelor of Engineering in Computer Science and Engineering (AI-ML) *Sep 2022 – May 2026*

PROJECTS

AgriGenius | PyTorch, CNN, ResNet, LangChain, HuggingFace, FAISS, Gradio Apr 2025
- Built a real-time plant disease detection system using a ResNet-inspired CNN trained on the Kaggle Plant Diseases dataset.
- Integrated a Retrieval-Augmented Generation (RAG) chatbot with LangChain and FAISS to provide treatment advice and disease insights.
- An interactive Gradio interface enabling users to upload plant images, detect diseases, and query chatbot for recommendations.

Multi-Factor Face & OTP Recognition System | face_recognition, Twilio API, SQLite, Tkinter Oct 2024
- Implemented real-time face detection and identification using OpenCV and face_recognition libraries, logging recognized users with timestamps to CSV files.
- Built an OTP verification system using the Twilio API for SMS-based authentication and a standalone Tkinter GUI for desktop OTP validation.

Indian Sign Language Interpreter | Python, OpenCV, Mediapipe, Random Forest, Streamlit Jan 2024
- Implemented a real-time Indian Sign Language interpreter using webcam-based hand landmark detection.
- Utilized Mediapipe for feature extraction (distances & angles) and trained a Random Forest classifier for gesture recognition.
- Built a Streamlit-based interface to display live video, predictions, and accuracy for alphabets (A–Z) and dynamic signs like hello and goodbye.

TECHNICAL SKILLS

Python, Java, C, C++, SQL, HTML, CSS, JavaScript; ML/DS: Supervised/Unsupervised Learning, Clustering, EDA, Stats, Data Preprocessing, Visualization; Libraries: Pandas, NumPy, Scikit-learn, TensorFlow, Streamlit; DB & Tools: MySQL, SQLite, Google Colab, Unity.

SOFT SKILLS

Analytical Thinking, Attention to Detail, Critical Thinking, Time Management, Team Collaboration, Communication & Reporting, Problem-Solving, Adaptability, Conflict Resolution, Self-Learning, Leadership, Multitasking, Organizational Skills.

CERTIFICATIONS

- Fortinet Network Security Associate
- EDA and Data Visualization
- Supervised Machine Learning: Regression and Classification Virtual Internships
- AWS AI-ML Virtual Internship
- AWS Data Engineering Virtual Internship
- AWS Cloud Virtual Internship
- Celonis Data Mining Virtual Internship
- Oracle Database Foundations
- Google Android Developer Virtual Internship