

Samuel Dammu

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Professional Summary

A B. Tech CSE (AI & ML) student at KIET, passionate about **Artificial Intelligence, Machine Learning, and Deep learning. Foundation in Python, OpenCV, Deep Learning.** Successfully built multiple AI-powered projects, including **Hand Sign Recognition, Crop prediction and Virtual pen.** Currently seeking an internship to apply my technical skills, gain real-world experience, and contribute to innovative projects.

Technical Skills

- **Programming:** Python, HTML, CSS
- **AI & ML:** OpenCV
- **Web Development:** Flask, Streamlit
- **Cloud & Deployment:** Netlify
- **Tools & Platforms:** Git, VS Code

Projects

1. AI-Powered Hand Sign Recognition (Team)

- Built a deep learning model to recognize hand signs in real-time.
- Achieved **80% accuracy** using TensorFlow and OpenCV.

2. Virtual Pen using Computer Vision

- Developed a virtual drawing tool that detects finger movements using OpenCV.
- Integrated gesture-based colour selection and erasing functionality.

3. Crop Prediction

- It predicts a crop according to elements in the soil.
- It contains best UI/UX design understandable by all.

Certifications

- Google AI & ML Certification
- Zscaler Virtual Internship Certification
- Zscaler Cyber Security Certification
- Skills Build Certifications
- Long-Term and Short-Term Certifications from Edu skills
- FMML certification from IIT Hyderabad
- AIML certification from APSSDC

Education

Bachelor of Technology (B. Tech) – CSE (AI & ML)

-  Kakinada Institute of Engineering and Technology (KIET)
 2022 – 2026

Achievements & Extracurriculars

- Finalist at KIET Hackathon 2024 – Developed a Crop Prediction project.
- Selected for Regional Round at Edu skills – Hand Sign Prediction Project
- Developed multiple AI projects with real-world applications

Interests

- Travelling & gaming
- Experimenting with AI-based Video Editing

Additional Information

Open to internships in AI, Machine Learning, and Web Development. Passionate about building AI-driven solutions that solve real-world problems using Ai.

Interested in **AI prompting** and skilled in **video editing**.

"believe in using AI to solve real-world problems and constantly explore new ways to innovate in technology."