ASWANTH V

CONTACT

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https://github.com/aswanth1269

SKILLS

- **Programming Languages: Python, C, Java**

- **AI/ML: Supervised & Unsupervised Learning, OpenCV, TensorFlow, Scikit-learn, MediaPipe, LSTM, Attention Mechanisms**

- **Computer Vision: Image processing, object detection, and real-time tracking**

- **Frameworks & Tools: TensorFlow, Scikit-learn, Git, Streamlit**

- **Tools & Technologies: Web Development: HTML, CSS, JavaScript (developing proficiency)**

- **Soft Skills: Leadership, Public Speaking, Research & Team Collaboration**

SUMMARY

- **I am a Computer Science student specializing in AI, ML, and Computer Vision**

- **Experienced in building real-world AI projects (ISL recognition, healthcare AI datasets)**

- **Skilled in Python, TensorFlow, OpenCV, MediaPipe, Scikit-learn**

- **Applied Generative AI for accessibility-focused applications**

- **Strong leadership as R&D Head at VIT's Social Entrepreneurship Club**

- **Research experience as AI intern at EPIDISE**

- **Passionate about solving real-world problems with AI and contributing to Microsoft's mission of empowerment through technology**

EDUCATION

Vellore Institute of Technology (VIT), Vellore BTech in Computer Science and Engineering | Graduating in 2027

- **I am currently pursuing second-year studies.**

- **Strong academic record with a focus on AI, Computer Vision, and Machine Learning.**

High School Diploma:

Excel public school | 2023

- **Graduated with a grade of 85%**

- **Developed an early interest in OpenCV and AI during high school.**

INTERESTS

- **Artificial Intelligence & Computer Vision (Passionate about AI and its real-world applications).**
- **Research & Development in Emerging Technologies.**
- **Leadership & Team Management (Influenced by NCC and club leadership experience).**

EXPERIENCE, LADERSHIP & EXTRACURRICULAR ACTIVITIES

Research Intern – EPIDISE | March 2025 – July 2025

- **I completed a research internship focused on applying AI in healthcare.**
- **Built a Google Maps scraper to collect 500+ dermatologist records for dataset creation.**
- **Proposed innovative ideas for applying artificial intelligence to the startup for implement face segmentation.**
- **Drafted strategies to onboard doctors and expand the startup's professional network.**

Centre for Social Entrepreneurship and Development (CSED), VIT Research & Development Head | 2025-26 Present

- **Conducted in-depth research to develop problem statements for hackathons.**
- **Led event planning and execution, enhancing organizational and leadership skills.**
- **Strengthened public speaking and communication through club initiatives.**

National Cadet Corps (NCC) – Ex-Cadet

- **Gained discipline, teamwork, and resilience through structured training and drills.**

CERTIFICATIONS

- **Supervised & Unsupervised Learning – Coursera**
- **OpenCV Bootcamp – Intel**
- **HTML, CSS, JavaScript: Building the web – LinkedIn**
- **What is Generative AI- LinkedIn**
- **Generative AI – IBM (2025)**

PROJECTS

Indian Sign Language Recognition System (Post-IBM Generative AI Course) | 2025

- **Built a real-time ISL recognition system using MediaPipe and an attention-based bidirectional LSTM, achieving ~94.8% accuracy.**
- **Applied Generative AI techniques from IBM's course to generate natural language translations of recognized signs, improving accessibility for non-signers.**
- **Created a Streamlit interface with webcam input, text translation, and optional Text-to-Speech output.**

  🔗 **https://github.com/aswanth1269/ISL-LSTM**

MORE PROJECTS

Web-Blitz – Website Template Generator | 2024

- **Designed a lightweight template generator that outputs customizable website scaffolds with HTML, CSS, and JavaScript.**

- **Implemented responsive design & modular components (header, hero, features, footer) with theme/layout variations.**

- **Enabled live preview launch via browser or local server for instant website prototyping.**

  🔗 **https://github.com/aswanth1269/Web-Blitz**