

Yaganti Lohithnath Reddy

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EDUCATION

B.Tech - Computer Science and Engineering

Vellore Institute of Technology, Vellore

2023 – 2027

CGPA: 9.45/10

12th Standard (MPC)

Sri Chaitanya Junior Kalashala, Hyderabad

2021 – 2023

Percentage: 97.6%

SKILLS

Programming: Python, C++, JavaScript, R, C, HTML5, CSS3

Frameworks: React.js, Next.js, Node.js, TensorFlow, PyTorch, OpenCV, NumPy, Pandas, Express.js, Bootstrap, Tailwind

Tools: Git, GitHub, VS Code, Jupyter, Colab, Docker, Linux

Creative Tools: Figma, Blender, Photoshop, DaVinci Resolve

Soft Skills: Problem Solving, Adaptability, Communication, Team Management, Critical Thinking, Leadership

Languages: English, Telugu, Hindi, Kannada

WORK EXPERIENCE

Research Intern

Apr 2025 – Present

IIT Delhi

- Developed DL models using PyTorch/TensorFlow; improved accuracy by 38%.
- Streamlined research workflows and reproducibility in ML pipelines.
- Curated datasets from 5000+ CCTV feeds at VIT to train and benchmark models.

Frontend Developer Intern

May 2025 – July 2025

Scientiflow (Biotech), VIT Vellore

- Designed dashboards; improved usability by 65%.
- Integrated APIs and reduced page load times significantly.
- Assisted project lead by coordinating cross-functional tasks to improve delivery efficiency by 30%.

Vice Chairperson

Jan 2025 – Present

Animation Club, VIT Vellore

- Mentored 30+ students on Blender, Photoshop, and Figma.
- Increased club engagement by 40% through workshops and live events.
- Organized 5+ design showcases attracting 300+ attendees across VIT.

KEY PROJECTS

Inferra – PDF Q&A Chatbot

Jun 2025

GenAI Developer | IBM Watsonx.ai

FastAPI, ChromaDB, LLMs, Next.js

- Built PDF-interacting chatbot using LLaMA-3, embeddings, and ChromaDB.
- Achieved 90%+ answer accuracy through semantic chunking.
- Deployed full-stack interface using Next.js + Tailwind CSS.

SwiftBites – Campus Food Ordering

Apr 2025

Full Stack Developer

React.js, Html, CSS

- Created campus food-ordering platform to cut queue times for 5000+ users.
- Built real-time order UI and transaction flow for mess experience.
- Analyzed food delivery systems to streamline mess operations to improve service for 5000+ students at VIT.

AI Traffic Control System

Feb 2025

Team Lead & ML Engineer

OpenCV, CV, ML

- Built real-time traffic detection system reducing congestion by 45%.
- Led ML logic design using OpenCV and adaptive signal control.
- Won Best Civil Team Award at Yantra Hackathon 2025.

ACHIEVEMENTS & CERTIFICATIONS

IBM GenAI Developer: Completed IBM program in GenAI, prompt engineering, and foundation models.

Yantra Hackathon Winner: Awarded Best Civil Team for AI-based traffic controller project.