

# CHALUVADI VENKATA SNEHITHA

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## Education

<b>Vellore Institute of Technology</b>	Sept 2022 – Present
<i>B.Tech in Computer Science and Engineering; CGPA: 8.78</i>	Chennai, India
<b>Narayana Junior College</b>	2020 – 2022
<i>Senior Secondary (State Board), 92.8%</i>	Ongole, AP
<b>Saibaba Central School</b>	2019 – 2020
<i>CBSE (X), 93.8%</i>	Ongole, AP

## Experience

<b>Tech Lead Intern</b>	May 2025 – July 2025
<i>Viswam.AI (joint initiative by Swecha &amp; IIITH)</i>	Hyderabad, Telangana
– Led development of AI pipelines using Python, NLP, and Transformer architectures; fine-tuned models and contributed to open-source solutions.	
– Designed community-centric AI projects supporting linguistic diversity and real-world applications.	
<b>Ethnus</b>	June – July 2024
<i>MERN Full Stack Development Intern</i>	<a href="#">Live Demo</a>
– Built and deployed a full-stack Online Auction Platform using MERN stack.	
– Implemented basic authentication and CRUD operations, which formed the core functionality of the project.	

## Projects

<b>Personal Portfolio</b>   Tailwind CSS, JavaScript	<a href="#">Live Demo</a>
– Responsive portfolio website deployed via GitHub Pages to showcase academics, projects, and experience.	
<b>Fake News Containment in Social Networks (EGT Analytics)</b>   Python, matplotlib, SQL	Aug 2025 – Ongoing
– Modeled strategy dynamics (Share/Verify/Correct/Ignore) over different graph structures (random, small-world, scale-free) to analyze misinformation spread, logged simulation outputs, visualized trends, and currently drafting a research paper.	
<b>HCI-Based Restaurant System</b>   React	<a href="#">Live Demo</a>
– Developed a responsive restaurant web application featuring menu browsing, booking, and feedback functionalities, all designed with Human-Computer Interaction principles to enhance user experience.	
<b>Integrated Fire Safety System</b>   ESP8266, Sensors	Nov 2024
– IoT-enabled fire detection with flame/smoke sensors and GSM alerts for real-time emergency notifications.	
<b>Assistive Traffic Light System</b>   Arduino	Nov 2023
– Arduino-based traffic signal using buzzer and LEDs to provide auditory and visual cues for visually impaired pedestrians.	
<b>IoT Solar Panel Monitoring System</b>   NodeMCU, Solar Panel	Jan 2023
– Automatic solar street light system with real-time voltage/current monitoring using NodeMCU; controls LED lamps based on ambient light and charges the battery via solar energy.	

## Technical Skills

- Languages:** Java, C, C++, Python, JavaScript, HTML, CSS
- Frameworks & Libraries:** ReactJS, Node.js, Express, Tailwind CSS, MongoDB
- Tools:** Git, GitHub, Arduino IDE
- Concepts:** Full-Stack Development, Authentication, IoT, Embedded Systems, HCI

## Achievements & Certifications

- National Semi-Finalist – Flipkart GRiD 7.0 (2025):** Selected among top teams nationwide for innovative problem-solving.
- MERN Stack Internship – Ethnus (2024):** Completed 6-week program building a full-stack web app with MERN stack.
- Cryptography I – Stanford University (Coursera):** Gained hands-on understanding of AES, RSA, and SHA-256.
- “A” Certificate – NCC (National Cadet Corps):** Qualified Pre-RDC with leadership and drill training.