

# Venugopal Vangolu

📍 Hyderabad, India

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## Summary

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Enthusiastic and detail-oriented IT undergraduate with a strong foundation in programming, problem-solving, and team collaboration. Thrives in dynamic environments by rapidly learning new tools and frameworks. Skilled in building scalable applications and optimizing solutions for user-centric experiences. Passionate about leveraging cutting-edge technologies to deliver impactful results while maintaining high emotional intelligence in diverse team settings.

## Skills

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

**Frontend Technologies:** HTML, CSS, React.js

**Backend Technologies:** Node.js, REST APIs

**Databases:** MySQL, MongoDB

**AI & ML:** Model Training, Computer Vision, Predictive Analytics, Data Preprocessing

**Concepts:** OOPS, Data Structures, Algorithms, Operating Systems, Computer Networks

## Education

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**Vasavi College of Engineering,** B.E Information Technology(IT) 2026 - 2022

**Mother Junior College,** Intermediate (MPC) 2022 - 2020

**Bhashyam High School,** SSC 2020

## Experience

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**Knuct Technologies** – Project Intern 2025

GSI Based Land Parcel Management using Knuct Blockchain

- Developed Solidity smart contracts for secure land transfer and registration on blockchain.
- Integrated blockchain APIs enabling tamper-proof ownership verification and automated land records.
- Built visual land management tools with Leaflet.js and Supabase as part of a cross-functional team.

## Projects

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**AI Crop Disease Detection Portal**

- Built an AI-powered portal for farmers to submit crop disease tickets and track status.
- Enhanced diagnosis accuracy and reliability by deploying multiple deep learning techniques and class-specific data augmentation strategies inspired by recent research, using cross-validation for robust performance.

**Metro Ticketing System using Graph Data Structures**

- Designed a Java-based metro ticketing system using graph data structures for station management.
- Used Dijkstra's algorithm for real-time shortest path computation between stations.

**ShopKart : Purchase and Management System**

- Created a product management system with JDBC, SQL for database management, and product/transaction tables.
- Handled purchase history and product attributes to ensure smooth user experience.

## Certifications

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**NPTEL** – Programming in **Java** - Secured **Top 5% rank**

**Become Job-Ready in Coding:** Basics of Data Structures and Algorithms

**Databases for Developers:** Oracle Dev Gym

AWS Academy **Machine Learning** Foundation

## Strengths

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Adaptability | Curiosity | Digital Literacy | Time Management | Storytelling (STAR Method) | Emotional Intelligence