

P. GEETHA SHANKAR YADAV

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EDUCATION

Vellore Institute Of Technology, Andhra Pradesh  
Bachelor of Technology, Computer Science and Engineering  
2021 - 2025  
CGPA: 7.16

Sri Chaitanya Junior College  
Intermediate (MPC)  
2019 - 2021  
CGPA: 9.17

Sri Chaitanya School  
10th Standard  
2018 - 2019  
CGPA: 9.0

SKILLS SUMMARY

- **Languages:** Java, HTML & CSS
- **Tools:** VS Code
- **Databases:** DBMS (SQL)
- **Coursework:** Basic Data Structures & Algorithms, OOPs, DBMS
- **Minor/Specialization:** Internet of Things (IoT)
- **Soft Skills:** Problem Solving, Self-learning, Presentation, Adaptability
- **Interests:** IoT, Web Designing

INTERNSHIPS

Intern - Vision Technologies (Remote)  
Aug 2023 - Oct 2023

- Developed a project on IoT-based smart agriculture system using Arduino.
- Integrated IoT into farming to support Smart Farming, Precision Agriculture, and Agriculture 4.0.
- Focused on increasing production efficiency, improving product quality, and reducing costs.

PROJECTS

Traffic Police Hand Gesture Recognition for Self-Driving Cars in India Using MoveNet Thunder

- Worked on a real-time system enabling autonomous vehicles to recognize and interpret traffic police hand gestures and achieved overall accuracy of 90% in detecting all gestures.
- Utilized MoveNet Thunder for pose estimation to achieve high gesture recognition accuracy.
- Focused on improving navigation by integrating gesture-based decision-making into self-driving systems.

IoT Based Healthcare Monitoring system

- Designed and worked on a real-time IoT-based healthcare monitoring system using ESP32 and MAX30100 Pulse Oximeter sensor,DHT11 sensors.
- Collected and transmitted patient vitals like heart rate, SpO2, and body temperature to a web server.
- Designed a web interface using HTML,CSS and Javascript which displays real time patient vitals.
- Enabled remote patient monitoring and early detection of abnormal health conditions.
- Used GSM module to send notifications if any abnormalities were detected.

CERTIFICATIONS

- |                                   |                                    |
|-----------------------------------|------------------------------------|
| • AWS Cloud Essentials            | by AWS (LINK)                      |
| • Introduction to cloud concepts  | by Juniper networks (LINK)         |
| • JavaScript Essentials 1 (JSE)   | by Cisco networking academy (LINK) |
| • Certified Foundations Associate | by Oracle (LINK)                   |