

P. GEETHA SHANKAR

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Bachelor of Technology

Vellore Institute Of Technology, Andhra Pradesh

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🌐 GitHub Profile

🌐 LinkedIn Profile

EDUCATION

Bachelors of technology (Computer Science and Engineering)

Vellore Institute Of Technology, Andhra Pradesh

2021-25

CGPA: 7.16

INTERMEDIATE

Sri Chaitanya junior college

2020-2021

percentage: 87.2%

10th standard

Sri Chaitanya school

2018-2019

CGPA: 9.0

PROJECTS

➤ **Worked on Project Traffic Police Hand Gesture Recognition for Self-Driving Cars in India Using MoveNet Thunder**

This system enables autonomous vehicles to recognize and interpret traffic police hand gestures in real-time, addressing non-verbal traffic control scenarios unique to Indian roads. Utilized **MoveNet Thunder** for pose estimation, achieving high accuracy in gesture recognition. The project focused on improving autonomous vehicle navigation by integrating gesture-based decision-making into existing systems.

➤ **Worked on project IOT based smart agriculture system using Arduino**

Designed and implemented a project that incorporates advanced technologies to support **Smart Farming, Precision Agriculture, and Agriculture 4.0**. Leveraged a network of sensors to collect real-time data, enabling accurate analysis and actionable insights for optimizing farming processes. The system focuses on enhancing production efficiency, improving product quality, and reducing operational costs by integrating modern technologies into existing farming architecture.

INTERNSHIPS

Intern

Remote

Vision Technologies

Aug 2024 to Oct 2024

- Developed a project on IoT-based smart agriculture system.
- It helps Smart farming, precision agriculture, and Agriculture 4.0 all involve the integration of advanced technologies into existing farming architecture.
- The goal is to increase production efficiency and product quality, as well as reducing overall costs.

TECHNICAL SKILLS AND INTERESTS

Minor course/Specialization: Internet of things (IoT)

Languages: Java, Python, HTML+CSS

Tools: VS code, MS Office, MS Excel

Cloud/Databases: DBMS (mysql)

Relevant Coursework: Basic Data Structures & Algorithms, Object Oriented Programming, Database Management System,

Areas of Interest: IOT, web designing

Soft Skills: Problem Solving, Self-learning, Presentation, Adaptability

CERTIFICATIONS

- [AWS Cloud essentials](#)
- [Google cloud digital leader](#)
- [JavaScript essentials 1\(JSE\)](#)