

# Bomma Geethanjali

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## EDUCATION

**Malla Reddy College of Engineering And Technology**  
*Bachelor of Technology in Computer Science (AI & ML)*

Hyderabad, India  
2023 – Expected 2027

**SR Junior College**  
*Intermediate (MPC)*

Karimnagar, India  
2021 – 2023

## EXPERIENCE

**Artificial Intelligence Intern** Jan. 2025 – Mar. 2025  
*NoviTech R&D Pvt. Ltd. (Remote)* India

- Completed a one-month intensive internship focused on foundational and applied concepts in Artificial Intelligence
- Gained exposure to key AI tools and libraries including OpenCV, TensorFlow, and image recognition techniques
- Explored real-world AI applications such as computer vision, neural networks, and intelligent automation

## PROJECTS

**AI-Driven Traffic Control System** | *Python, OpenCV* 2024  

- Built a real-time traffic signal control system using Python and OpenCV to optimize traffic flow
- Implemented object detection to monitor vehicle density and adjust signal timings dynamically
- Tested system in simulated environments, achieving a reduction in average wait time by 20%

**Personal Portfolio Website** | *HTML, CSS, JavaScript* 2024  

- Developed a fully responsive and mobile-friendly personal portfolio website

**Personal Assistant for Differently Abled** | *Python, Tkinter, TTS* 2024  

- Created a voice assistant with Python Tkinter interface for differently abled users
- Integrated Text-to-Speech (TTS) and Speech-to-Text (STT) modules for two-way interaction
- Added custom commands for performing system tasks and accessing information hands-free

## TECHNICAL SKILLS

**Languages:** Java, Python, C, JavaScript, HTML/CSS

**Frameworks:** React, Node.js

**Developer Tools:** Git, GitHub, Google Cloud Platform, VS Code, IntelliJ, Eclipse, Google Colab

**Libraries:** pandas, NumPy, Matplotlib