

## BANDI ANEELA

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### CAREER OBJECTIVE

To gain practical experience as a Software Engineering Intern at GE Vernova, where I can apply my technical knowledge, enhance my problem-solving skills, and contribute to innovative software solutions while building a strong foundation for my future career in technology.

### EDUCATION

Master of computer application	2023 - 2025
University arts and science college	CGPA:7.2/10

### TECHNICAL SKILLS

- |                                 |   |
|---------------------------------|---|
| • <b>Programming languages:</b> | Python  |
| • <b>Web development:</b>       | HTML, CSS, Java script, React, Mango, Bootstrap |
| • <b>Tools:</b>                 | VS code   |
| • <b>Databases:</b>             | SQL   |
| • <b>Common skills:</b>         | MS office, Excel, power point, Word.            |

### ACADEMIC PROJECTS

#### **IOT Enabled-smart traffic management system and urban mobility optimization.**

This project focuses on developing an IoT-enabled smart traffic management system to improve urban mobility and reduce traffic congestion. The system uses microcontrollers like Arduino or Raspberry Pi along with IR and ultrasonic sensors, ESP8266, cameras, and LEDs to monitor real-time traffic conditions. Using software tools such as Python, C++, Node-RED, Blynk/Things Board, Firebase, and AWS IoT, the system analyses traffic data and dynamically controls traffic signals. It prioritizes emergency vehicles, reduces vehicle waiting time by up to 30%, and provides intelligent route suggestions through a mobile app. The solution is designed to be scalable for smart cities, promoting green transportation and faster emergency response through efficient and automated traffic flow management.

### SOFT SKILLS

- Communication
- Problem-solving
- Hard worker
- Time management
- Consistency
- Team leading
- Quick learner