

# PENTA HEMA NAGA PADMAVATHI

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## EDUCATION

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### **St. Peter's Engineering College, Hyderabad**

Bachelor of Engineering in Electronics and Communication Engineering (August 2022)  
CGPA – 6.71

### **Sri Gayathri Junior College**

Board of Intermediate  
High School, Studied MPC (April 2018)  
Percentage – 94.3%

### **Good Samaritan High School**

Secondary School, SSC (March 2016)  
CGPA- 9.2

## WORK EXPERIENCE

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**Citiustech Healthcare Technology | Software Engineer** (August 2022) – present

- I was worked on Mobile Automation Testing using Python Selenium.
- I've trained with web development technologies like HTML and CSS.
- Impacted by my quickly deliverability.

## PROJECTS

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**Major project:** Density Based Traffic Alert System Using IOT *Role: Team Leader*

- This project is aimed at designing a density based traffic alert system. Traffic Congestion is one of the major problem in the metropolitan cities. Currently, there are many ways to reduce traffic congestion. But Existing methods are not completely solving traffic. Instead of following fixed time basis it's better to shift for manual or automated system. So, we have come up with a new mechanism where traffic is controlled based on vehicles Density. By calculating the density of vehicles on road lanes, timing of the signals will be changed.
- The main components used in this project are IR sensors, Node MCU, LED's. This project mainly reduces waiting time and provide Efficient Traffic.

## **INTERNSHIP**

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- **Artificial Intelligence and Machine Learning using Python:** Worked as an intern at Techieyan Technologies Pvt Limited in the domain of Artificial Intelligence.
- **Study of CNC&PLC:** Worked as an intern at BHEL(Bharat Heavy Electricals Limited ).

## **TECHNICAL SKILLS**

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Programming Skills : C, Basics of OOPS, Python  
Web Development : HTML, CSS  
Tools : Microsoft Office  
Operating Systems : Windows  
Database : My SQL

## **ACHIEVEMENTS**

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- Received silver medal and certificate for global Olympiad in mathematics.

## **EXTRA CURRICULAR**

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- Participated in “Rotaract Technology Conclave”.

## **STRENGTHS**

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Strong work Ethic, Adaptability, Commitment, Positive Attitude and Strong CommunicationSkills

## **DECLARATION**

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I hereby declare that all the above mentioned information given by me is true and correct to the best of my knowledge and belief. – P.Hema