**Shresta panyala**

**PROFILE**

Goal-oriented upcoming computer and communication engineer,looking to kickstart the career in an entry-level position with a reputed company driven by technology and workspace that welcomes innovative ideas and offers growth opportunities and positive environment for accomplishing projects.

**EDUCATION**

* **B.Tech** **Computer and Communication Engineering**

**CGPA – 6.97 / 10 2019-2023**

Amrita Vishwa Vidyapeetham

* **Class 12** – 92.2% **2019**

Institution:

* **Class 10** – 88% **2017**

Institution:

**TECHNICAL INTERESTS**

Computer Networking and IOT  
Machine Learning

**PROJECTS**

**TO DESIGN A SMART CITY MODEL BASED ON IOT**  
· · Duration/Period: 09/05/2020-23/05/2020  
 · Objective: To Design a Smart city model based on IoT (software: cisco packet tracer) and integrating it with wireless sensor network we use Node MCU.

· Tools or techniques used:1)Cisco Packet Tracker

Outcome:   
 · (i) The Implementation is completed using CPT(cisco packet tracer) and the model can be deployed and used in real-time for controlling several devices.

· (ii) The smart traffic proposes system stresses the time delays caused by redundant, inefficient traffic jams to rectify this problem and improves it with defined logical methods which would be constructively helpful for the society as a whole   
· (iii) Sensors and IoT devices are spread through the smart city, the proper network infrastructure must be in place before they can communicate

**POMODORO CHAIR WITH AUTOMATED STUDY LAMP**  
· Duration: 3 months   
· Objective: We place a pressure sensor in the cushion of the chair, so, when a person sits on it, we detect the presence of the person.

**COMPARISON BETWEEN KNN AND RANDOM FORESTS Cl ASSIFIER**

· Duration: July 2020- Dec 202

· Objective:In the Random forests and KNearestNeighbor classifier we calculated the performance analysis parameters starting with the confusion matrix.

**TECHNICAL SKILLS**

Cisco Packet Tracer, Python, C, tensorflow

**CERTIFICATIONS**

Python Programming   
October 03rd – 04th ,2020   
Data structures (lists, tuples, dictionaries)

Level of proficiency: A workshop in Avenues’20, IIT Bombay, where I learned python Programming

**LANGUAGES**

English, Hindi, Telugu

**EXTRA CURRICULAR ACTIVITIES**

NSS- Amrita volunteer

SAHAYA CLUB- Amrita volunteer

Fund raiser for SMILE FOUNDATION ORPHANAGE

Vice captain for dance club in secondary education.