**GURAJALA SRI PAVAN KUMAR**

**PROFILE**

An aspiring ECE Graduate with deep interest in the areas of VLSI, IOT and Computer Networks is looking for a challenging career that offers scope for learning and implementing new technologies together with providing opportunities to explore the best of my technical, analytical and professional skills.

**EDUCATION**

* **B.Tech Electronics and Communication Engineering**

**CGPA – 7.77 / 10 2019-2023**

Amrita Vishwa Vidyapeetham

* **Class 12** – 91.7% **2019**

Institution: Sri Chaitanya Junior college

* **Class 10** – 88% **2017**

Institution: Sri Chaitanya Techno School

**TECHNICAL INTERESTS**

Network+

VLSI fabrication and System Design

Embedded Systems and IoT

**PROJECTS**

**Design of An Efficient Low Latency VlSI Based Router Architecture Objective:** To reduce to the latency and increase the speed

**Tools used:** Xilinx software

**Outcome:** While utilising two different strategies, we discovered the variation in latency, how much power is being consumed.

**Line following robot.**

**Objective**: To make a robot with the help of microcontroller and sensors.

**Tools used**: Arduino IDE software, Arduino Board, Sensors.

**Outcome**: Robot moving on the track when the track ends it will stop.

**Mini Radar**

**Objective**: Mini radar for detecting objects.

**Tools used**: Processing Software, Arduino uno, IR sensors, servo motor.

**Outcome**: when the servo motor start rotates the IR sensor also rotate and display the detection in graphical mode in processing software along with the distance measured from the object to IR sensor

**GSM wireless message alert.**

**Objective**: Sending message to GSM using sim900A.

**Tools used**: SIM900A, nano sim card, Arduino, Arduino IDE software and LCD display

**Outcome**: Sending message from phone to that sim which is inserted in SIM900A. It will display on LCD.

**TECHNICAL SKILLS**

C, Python, MS Word, MATLAB, Keil, Arduino, Xlinx

**LANGUAGES**

Telugu, English

**CERTIFICATIONS**

Cisco - Network Essentials, August 2021

Cisco - Introduction of IoT, March 2021

**ACHIEVEMENTS & HONOURS**

Won the first prize and been awarded ‘The Best TECHIE’ in Tech Connexion 2020 conducted by SRM University.

Got a prize for contributing to the Digital Ocean Hacktober Fest 2020.

Won appreciation in Guru Nanak college on national level online quiz in 2020.

**EXTRA CURRICULAR ACTIVITIES**