**Snekha L**

**PROFILE**

Upcoming Electronics and Communication Engineer, seeking an entry-level position in an organisation, preferably in the field of embedded systems and related fields; with an emphasis on microprocessor design and development so as to contribute towards organizational growth along with meaningful professional and personal skill development.

**EDUCATION**

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

**CGPA – 7.83 / 10 2019-2023**

Amrita Vishwa Vidyapeetham

* **Class 12** – 84.5% **2019**

Institution:

* **Class 10** – 96.2% **2017**

Institution:

**TECHNICAL INTERESTS**

Embedded Systems

VLSI System Security

**PROJECTS**

**Developing attack resiliency in VLSI systems** [August 2022 -May 2023]

Objective: Comparing existing SAT attacks and obfuscation logics, generating attack based on Genetic Algorithm for various Benchmarks.

Tools and techniques used: ModelSim, Python, Synopsys

**Gas sensing with a smart SMS alert using GSM.** [Nov 2021-Feb2022]

Objective: To design a security system by identifying gas leakage. Gases like CO2, is been identified by knowing different gas levels and alert SMS is sent when gas leak is found, along with automatic gas booking system.

Software Used: Proteus, Arduino IDE

**Brain Port Vision Device** [June 2021-Oct 2021]

Objective: Converts images captured by a tiny camera into a series of electrical tingles, which can be felt on the tongue. Nerves then send these messages to the brain, which turn the tingles back into pictures.

Technique Implemented: Edge based image detection (k means clustering)

**TECHNICAL SKILLS**

Python, C, ModelSim

**INTERNSHIP**

**Megatech Instruments**

• Duration/Period: 1/8/2021-30/9/2021

• Objective: To train the basics of Electronics tools

• Tools or techniques used: TINA simulator

• Outcome: Circuit level implementation and simulation of basics devices

**LANGUAGES**

Tamil, English, Telugu, Hindi

**ACHIEVEMENTS & HONOURS**

**Young professional in Jurni newsletter**

* Area / Topic / Details: Marketing and newsletter writing for feeds and photographs
* When & Where: July 2021 -Present

**EXTRA CURRICULAR ACTIVITIES**

* Worked under Live in Labs International program across various departments to develop codesign solutions by applying learned theroy in real-world settings.
* Selected to the final round for case study competitions conducted by MSME, India and KIRIT 2021
* Typist, completed junior grade in type-writing with a [1st class](https://drive.google.com/file/d/1OdDbKX3IQEH9bJlOgxqNudpT5rIwJM53/view?usp=sharing) with distinction
* [Hindi Pandit](https://drive.google.com/file/d/1RwCm-o8bZxIq2DZ6unBvkmNwNezaUqkg/view?usp=sharing) ,cleared 8 levels of exams conducted by Dakshin Bharat Hindi Prachar Sabha, India