








## Resume

VLSI Enthusiast | ECE @  
Yenepoya Institute of Technology |  
Maven Silicon VLSI Trainee



## Personal details

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## Skills

- Electronics Engineering
- Circuit Design
- Embedded Systems
- KICAD
- Embedde C
- C programming language
- C++

## Profile

As a BE student in Electronics and Communication Engineering, I'm passionate about exploring the world of core electronics. My interests lie in VLSI design and embedded systems, where I enjoy applying theoretical concepts to real-world problems. I'm excited to connect with professionals in the field and learn from their experiences.

## Education

**Bachelor of Engineering - BE, Electronics and communication engineering** Jan 2022 - Jan 2026

## Courses

**Blended VLSI Design with Maven Silicon** Present  
one-year blended VLSI Design course, such as those offered by institutions like Maven Silicon, typically combines various learning methodologies to provide comprehensive training in Very Large Scale Integration. These programs often integrate online self-paced modules, live virtual instructor-led sessions, and sometimes hands-on lab experiences, aiming to equip students with both theoretical knowledge and practical skills in VLSI design over the course of a year

## Certificates

**Completion Certificate of Mastering Data with Machine Learning Internship by CSRBOX in collaboration with IBM SkillsBuild** Nov 2024

This is an internship completion certificate for Neha S from CSRBOX in collaboration with IBM SkillsBuild, for successfully completing the "Mastering Data with Machine Learning Internship" from October 22nd, 2024, to November 5th, 2024.

**Internship completion Certificate** Apr 2025  
This is an internship certificate awarded to Neha S by Plasmid (under MSME Development & Facilitation Office) for successfully completing an internship in the domain of Embedded Systems from February 1st, 2025, to April 1st, 2025

**Internship completion Certificate** Apr 2024  
This is a certificate of internship from Pantech.ai (Warriors Way) for Neha S, indicating successful completion of a 3-month internship on Embedded System Design & IoT, from January 4th, 2024, to April 4th, 2024

**Certificate is from Spoken Tutorial Project at IIT Bombay** Jul 2024  
This certificate is from Spoken Tutorial Project at IIT Bombay, certifying that Neha S successfully completed the Python 3.4.3 training and test on July 26th, 2024, with a score of 87.14%.

# Languages

- English
- Kannada

# Hobbies

- Reading
- Playing Chess
- Traveling
- Painting
- Problem-Solving: Regularly engage in algorithmic problem-solving on platforms like LeetCode, with 20+ basic problems successfully submitted

## Certificate is from Spoken Tutorial Project at IIT Bombay

Feb 2024

This certificate is from Spoken Tutorial Project at IIT Bombay, certifying that Neha S successfully completed the Arduino training and test on February 21st, 2024, with a score of 92.50%.

## Certificate of Achievement

Jan 2025

awarded to Neha S by the "Brilliant Students organization" for successfully completing the "Software Development course Beginner to Advance Course" with an outstanding achievement of 95%.

# Projects

## ATmega328p trainer kit

Apr 2025

Developing a trainer kit , by interfacing input devices like, sensors, push button, and output devices like LED,LCD display, buzzer etc

## Real-time monitoring and alert system for multiple water purifiers

Jul 2024 - Jan 2025

This project TDS is essentially a measure of anything dissolved in water. when water encounters soluble material, particles of the material are absorbed into water, Creating total dissolved solids. TDS is the amount of organic and inorganic materials, such as metals, minerals, salts, and ions, dissolved per volume of water. real -time monitoring of TDS level in multiple water filter is crucial for ensuring water quality and good health. This project employs the real time data collection using TDS sensors and data is transmitted to a software called BLYNK app where it is analyzed and displayed through user interface. Alerts are generated for TDS levels exceeding predefined thresholds, facilitating timely maintenance and replacement of filters. The system enhances water quality management by providing immediate insights into filter performance, ensuring the delivery of clean and safe water. This approach demonstrates significant improvements in operational efficiency and water safety by enabling proactive responses to changes in TDS levels.