

# SAGAR N

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## SUMMARY

Passionate Electronics Engineer with a strong foundation in VLSI design, RTL development, and digital circuit design. Enthusiastic about learning new technologies and solving complex engineering challenges.

## EDUCATION

### HKBK College of Engineering, Bengaluru

B.E in Electronics and Communication | CGPA: 7.1 | Graduation: 2025

### Sheshadripuram PU College, Bengaluru

PUC - PCME | Percentage: 85.33% | Graduation: 2021

### New Florence Public School, Bengaluru

Percentage: 83.5% | Graduation: 2019

## WORK EXPERIENCE

### VLSI Design Engineer Intern | IIT Guwahati | Oct 2024 - Present

- Developed RTL designs using Verilog and SystemVerilog.
- Created testbenches for functional verification.
- Worked on logic synthesis, simulation, and debugging.
- Gained experience with EDA tools and methodologies.
- Utilized OpenRoad software for physical design tasks including floor planning, placement, and routing.

### Intern | Stelcode LLC, Bengaluru | Oct 2023 - Nov 2023

- Gained insights into customer service and market trends.
- Improved communication skills by interacting with clients.
- Learned business strategies for company growth.

## SKILLS

Technical Skills: Verilog, SystemVerilog, Digital Design, C, C++, Python, IoT.

Tools: Xilinx Vivado, MATLAB, Arduino IDE, LTSpice.

Soft Skills: Communication, Leadership, Critical Thinking, Time Management.

## PROJECTS

### Advanced ALU with Wallace Tree Multiplier

- Designed a 32-bit ALU integrating a Wallace Tree multiplier.
- Simulated using ModelSim and synthesized in Intel Quartus Prime Lite.
- Debugged and analyzed performance using waveform analysis.

## **Alcohol Detection and Engine Locking System**

- Developed a safety system using Arduino to prevent drunk driving.
- Implemented alcohol detection with automatic engine locking.

## **ACHIEVEMENTS**

- Attended AMD AI Hackathon.
- Participated in VTU Central Cricket Zonal Tournament.

## **CERTIFICATIONS**

- Internship Certificate: Customer Service & Satisfaction.
- PCB Design with Emerging Technologies.
- The Realm of IoT Applications and Beyond.

## **INTERESTS & HOBBIES**

Cricket, Athletics, Racing, Watching Movies.