ZAINULLA SHARIEF

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I am someone who always performs at my best when I have access to insightful guidance and transformative mentorship. I am constantly curious about learning new technologies and am passionate about finding innovative solutions.

EDUCATION

HKBK College of Engineering, Bengaluru   **Graduation year: 2025**

B.E in Electronics and Communication
CGPA: 6.2

Shaheen falcon PU, Bengaluru   **Graduation year: 2021**

Percentage: 82%

The Crystal School, Bengaluru   **Graduation year: 2019**

Percentage: 69%

PROFESSIONAL EXPERIENCE

Rooman Technologies,Bengaluru   **September,2024-May,2025**
VLSI Design Engineer Intern

- Participated in the WIINNR Program, a collaborative initiative involving Rooman Technologies, IIT Guwahati, NSDC, NASSCOM, and the Wadhwani Foundation, aimed at bridging the skill gap for engineering students and enhancing employability.
- Received 165 hours of core subject training from Rooman Technologies, focusing on advanced technologies including VLSI design.
- Engaged in real-world projects under the guidance of experienced mentors, applying theoretical knowledge to practical applications in VLSI design.
- Collaborated with a team of peers to develop and implement VLSI design projects, enhancing teamwork and project management skills.

JSS Electric Vehicles Mobility Center of Excellence and Innovation.   **Jun,2024-July,2024**
Systems Engineer Intern

- Developed a multi-body simulation model of a gyroscopic system using Modelica to study rotational dynamics and precession behavior.
- Configured mechanical components including cylindrical bodies, spherical joints, revolute joints, and fixed translations to accurately represent gyroscopic motion.
- Conducted tests under various external conditions to observe changes in gyroscopic behavior and validate theoretical models..

PROJECTS & EXTRACURRICULAR

Early-Stage Identification of Neurological Disorder using Brain Computer Interface   **November,2024**

Created a hardware using microcontroller, EEG sensors and electrodes and in software we are using Embedded c, Python and machine learning. This will help us to monitor as well as analyze brain activity, BCIs can potentially detect subtle changes that may indicates the onset of neurological condition. Early detection and intervention are crucial outcomes in our project.

Certificates

- Sensors to Cloud: IEEE
- AMD AI Challenge Workshop: Shooting Stars Foundation
- The Realm of IOT applications and beyond: ROBORAM
- JSS Electric Vehicle Mobility Center of Excellence and Innovation : System Engineer
- Wadhwani Foundations: Life Skills(Jeevan Kaushal) 2.0
- Rooman Technologies: On Job Training on VLSI Design Engineer

SKILLS

Programming languages: Verilog, MATLAB, C, Embedded C, Python

Languages: English, Kannada, Hindi