

R RISHAB

◦ DETAILS ◦

Bengaluru, India
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◦ LINKS ◦

[LinkedIn](#)

◦ SKILLS ◦

Embedded Systems

Internet Of Things

MATLAB

Python

Java

◦ LANGUAGES ◦

English

Hindi

Kannada

Tamil

👤 PROFILE

A dedicated and passionate embedded systems enthusiast with expertise in Arduino, ESP32, ESP8266, and IoT technologies. Proficient in IoT platforms like ThingSpeak, Adafruit IO and skilled in sensor communication and programming. Published a conference paper and excel in combining technical acumen with strong organizational and communication abilities. Currently pursuing academics while gaining part-time professional experience, showcasing a proven ability to balance responsibilities and deliver high-quality outcomes.

👥 INTERNSHIPS

Summer Intern at ShanMukha Innovations Pvt Ltd., Bengaluru

June 2024 — July 2024

- Utilized various testing techniques to identify defects and ensure quality.
- Conducted comprehensive inspections of manufacturing processes and identified areas for improvement, resulting in increased efficiency.
- Created clear, detailed bug reports that led to the successful resolution of defects.
- Conducted root cause analysis to identify and resolve process-related issues, resulting in improved process efficiency and cost savings.
- Performed root cause analysis to identify and resolve production issues quickly and efficiently.

Project Intern at YHills,

July 2023 — August 2023

- Provided technical support to project stakeholders to help meet project objectives.
- Provided assistance with preparation of project-related reports, manuscripts and presentations.
- Researched and analysed data to support project-related decisions.

🎓 EDUCATION

B.Tech ECE with Specialization in Biomedical Engineering, Vellore Institute Of Technology, Vellore

September 2022 — Present

- 8.52 CGPA
- Co Secretary, Kannada Literary Association, 2025.
- ECE Projects Lead, IETE-ISF, 2023 to 2024.

Pre-University, Miranda Composite PU College, Bengaluru

September 2020 — June 2022

- Final Grade: 87%

High-School, Jaigopal Garodia Rashthrohana Vidya Kendra, Bengaluru

June 2015 — April 2020

- Final Grade: 84%
- Participation Certificate, 2019 from School Games Federation of India for Swimming



COURSES AND PROJECTS

Design and Fabrication of Printed Circuit Board using Auto-lab

November 2024

AI and IoT for Digital Healthcare

April 2024

Transistor - Field Effect Transistor and Bipolar Junction Transistor, Coursera

May 2023

Nanotechnology and Nanosensors, Part1, Coursera

May 2023



ACHIEVEMENTS

Conference Paper Presentation, CCEW, Vellore

January 2025

- Presented a paper titled ***Harnessing IoT and CNNs for Real-Time Emotion Recognition and Positive Reinforcement*** at ICAET 2025, an international conference.

Conference Paper Presentation, Vellore Institute of Technology, Vellore

December 2023

- Presented a paper titled ***Cloud-Controlled Dynamic Smart Street Lighting System*** in the DST-SERB Sponsored IEEE International Conference on Next Generation Electronics (NEleX-2023).
<https://doi.org/10.1109/NEleX59773.2023.10420861>
- Best Paper Award** for presenting the paper titled ***Cloud-Controlled Dynamic Smart Street Lighting System*** in the DST-SERB Sponsored IEEE International Conference on Next Generation Electronics (NEleX-2023).