

# SURYAKIRAN S S

[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

DOB -28/05/2003

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## SKILLS & INTERESTS

- **Technical Skills:** Python, Embedded C, IoT
- **Soft Skills:** Communication, Time Management, Critical Thinking, Team Player, Hardworking, Creativity, Problem Solving
- **Interests:** Robotics, FPGA Programming, PCB Design, web development

## EDUCATION

- **Govt. Model Engineering College** 2026  
KTU, B. Tech in Electronics and Communication 5.93
- **Kerala Govt Polytechnic College** 2023  
SBTE, Diploma in Electrical And Electronics 7.9
- **CKG Memorial Higher Secondary School** 2019  
STATE, 12th 73%
- **Technical High School** 2018  
STATE, 10th 90%

## WORK EXPERIENCE

- **Kerala Electrical & Allied Engineering Co. Ltd. (KEL)** 1 week  
**Industrial Training Intern**  
*Technologies Used:* Transformers, Power Systems, Electrical Panels, Embedded Systems  
Assisted in transformer testing, power system analysis, and electrical panel design. Gained hands-on experience in fabrication, maintenance, and quality control of electrical equipment.
- **Keltron Knowledge Centre** 2 weeks  
**Industrial Training Intern**  
*Technologies Used:* Embedded Systems, Microcontrollers, Arduino, C Programming  
Developed practical skills in embedded programming, debugging, and project implementation.

## PROJECTS

- **IoT Based Home Automation Using Blynk** **Team Size: 2**  
**Hardware And Software Developer** 2 weeks  
*Technologies Used:* Blynk, VS Code, ESP8266 Microcontroller, Proteus  
Designed and developed a Smart Home Automation System using ESP8266 and Blynk for remote control and monitoring of household devices.
- **Smart Blind Stick Using GPS And GSM** **Team Size: 4**  
**Project Lead** 1 month  
*Technologies Used:* Microcontroller, GPS, GSM, VS code, Proteus, Ultrasonic Sensor, Embedded C,  
Contributed to the development of a smart blind stick with GPS and GSM for real-time location tracking and obstacle detection.
- **Gesture Bot** **Team Size: 4**  
**Hardware And Software Developer** 1 month  
*Technologies Used:* ESP8266 Microcontroller, MPU6050 Sensors, VS code, Proteus, Solid Works, Embedded C, Servo, LM298N  
Actively working on the development of a 4-DOF robotic arm, designed to be controlled by hand gestures using MPU6050 and ESP8266.

## KEY POSITIONS

- Managed the role of **Representative** at the **Electrical Association 2022**, focusing on student engagement and technical activities.

## ACHIEVEMENTS & ACTIVITIES

- Secured **1st** place in **Bot Jungle 2024**, a robotics competition conducted by **IEEE CUSAT**.
- Took part in a **PCB design** workshop at **Government Polytechnic College Kannur**, gaining hands-on experience in circuit board design.
- Participated in an overnight hackathon on robotics at Government Polytechnic College Kannur, exploring innovative solutions in automation.
- Attended a talk session on **VLSI**, organised by **Model Engineering College**, enhancing knowledge of semiconductor design and fabrication.
- **Hobbies:** Cooking, Reading

## REFERENCES

- **Prof. Dr. Mini M G**, Principal, Govt. Model Engineering College, Kochi, Email ID: [principal@mec.ac.in](mailto:principal@mec.ac.in)  
For **ECE: Prof. Pradeep M**, HOD, Electronics and Communication Engineering, Govt. Model Engineering College, Kochi. Email ID: [hodec@mec.ac.in](mailto:hodec@mec.ac.in)