

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

WORK EXPERIENCE

- Kerala Electrical & Allied Engineering Co. Ltd. (KEL)
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
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
Hardware And Software Developer
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
Project Lead
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
Hardware And Software Developer
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
For ECE: Prof. Pradeep M, HOD, Electronics and Communication Engineering, Govt. Model Engineering College, Kochi. Email ID: hodec@mec.ac.in