

SAMIKSHA M

College: PES UNIVERSITY , RR campus, Bangalore

Branch: Electronics and Communication Engineering , 2nd Year

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Motivated ECE student eager to explore embedded systems and hardware design. Looking to join the Hardware Club to work on innovative real-world projects involving sensors, microcontrollers, and circuits, while learning from peers and mentors.

Achievements:

Top 20 in Capture The Flag (CTF) - Solved coding and debugging challenges

Top 10 in Hackathon - AI-Generated Content and the Death of Creativity

Top 10 in Ideathon - Proposed a practical tech-based product idea.

Technical Skills:

Programming: C, C++, Python, Verilog

Hardware Platforms: Arduino, ESP32, Oscilloscope

Domains of Interest: IoT, Robotics, Digital Electronics, Embedded systems

Positions & Participation:

- Bootstrap Program (PES University): Volunteered to teach juniors about Wi-Fi, signal transmission, and sampling
- Active participant in technical clubs and competitions (CTF, hackathons, ideathons).
- Attended LLM & BERT Fine-Tuning workshop
- Me and my team have also got waitlisted for SIH 2025 currently with Idea title AI-Enabled Logistics Optimizer for Cost-Optimal Vessel Scheduling and Port-Plant Linkage in Steel

Projects:

- Smart Home Door Lock – Built a door lock system using a keypad and servo motor
- Smart Home Automation with Temperature Monitor – Created an IoT-based setup to control home appliances and monitor temperature using sensors.
- Car Reverse Parking Sensor – Ultrasonic-based parking assist system with buzzer
- Line Follower Robot – IR sensor-based robot that automatically follows a black path.
- Blind Man Assist Gloves – Gloves that alert users of obstacles using vibration feedback.

About Me

I like working on small electronics projects and learning new things through hands-on experience. I enjoy experimenting, solving problems, and building useful things with simple ideas