

# Aravind R

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## Education

- **College of Engineering Adoor** Kerala, India  
*B.Tech in Computer Science Engineering; GPA: 8.0.* 2022 – 2026
- **St. Stephen's Higher Secondary School** Kerala, India  
*12th Grade (State Board); 95%.* 2020 – 2022
- **St. Stephen's High School** Kerala, India  
*10th Grade (English Medium, State Board); 98%.* 2020

## Skills Summary

- **Languages:** Python, Java, C++, C, SQL, HTML,CSS,JS.
- **Frameworks:** TensorFlow, Neural Networks, Django, NLP, Node.JS, Tailwind CSS, Bootstrap, React.
- **Tools:** PostgreSQL, MySQL, SQLite, Docker, Firebase, OpenAI API, WebSocket.
- **Platforms:** Linux, Web, Windows, Arduino, Raspberry, ESP8266, ESP32.
- **Soft Skills:** Leadership, Team Work, Time Management, Communication, Problem Solving.

## Experience

- **IEEE PES Kerala Chapter** Kerala Chapter, Region 10  
*Student Representative — Leadership* 2025 – Present
  - **Strategic Planning:** Led 24-member team organizing events across Kerala.
  - **Community Building:** Increased chapter membership through outreach programs.
- **IEDC TBI @ College of Engineering Adoor** Kerala, India  
*Student Lead 2 — Leadership* 2023 – 2024
  - **Planning:** Led 20-member team organizing events which promote innovation and development.
  - **Innovations:** Mentored student startup projects and innovative ideas.
- **IEEE SB College of Engineering Adoor** Kerala, India  
*MD Lead — Leadership* 2023 – 2024
  - **Planning:** Helped in planning events to engage new members.
  - **Membership:** Developed strategies for member retention and engagement.
- **Technovalley Pvt Ltd** Kerala, India  
*Cybersecurity Intern* 2024
  - **Cyber Attack Detection:** Worked on MITM ATTACK detection using Packet Capturing Method.

## Projects

- **Instrument-IT** IoT, Education  
*IEEE TryEngineering Funded Initiative* 2025
  - **Workshop Leadership:** Trained 50+ students in IoT fundamentals using hands-on kits.
  - **Curriculum Development:** Created 10+ learning modules covering sensors.
- **Smart Home Automation With Malfunction Detection** IoT, Blynk  
*ESP8266, Blynk App* 2025
  - **Real-Time Energy Monitoring:** ACS712 current sensor used to measure current and display it on Blynk application.
  - **Mobile app integration:** Can be controlled using Blynk application.
- **AI Interview Coach** NLP, WebSocket  
*Instant AI-powered Feedback, Mock Technical Interviews* 2025
  - **Natural Language Processing:** Built feedback system analyzing different parameters.
  - **Deployment:** Containerized web application prototype serving mock interviews.
- **Remote Control Car** Embedded Systems  
*Arduino Uno R3, HC-SR04* 2023
  - **Obstacle Avoidance (HC-SR04):** Used ultrasonic object sensor to avoid crash on objects.
  - **Bluetooth Controlled (HC-05):** Can control using Blynk application.

## Honors and Awards

- **IEEE Xtreme 18.0:** Global Rank 83 among 19,000+ participants (2024).
- **PowerConnect+:** 1st Prize in idea pitching (Workshop, 2023).
- **Amrithakiranam Medi IQ (KGMOA):** 1st Prize in district level quiz competition (Kollam, 2020).
- **Leadership:** Selected as Student Representative, IEEE PES Kerala Chapter (2024-25).

## Additional

- **Languages:** English (Professional), Malayalam (Native), Hindi (Conversational).
- **Interests:** Embedded Systems, Software Development, Sustainable Tech, IoT, AI Research, Competitive Programming.