Akshay Sajeev
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Profile

Final-year Electrical Engineering student at Rajiv Gandhi Institute of Technology, Kottayam. Skilled in electrical design, embedded systems, and simulation. Passionate about integrating software and hardware for innovative solutions. Strong team collaborator with experience in technical societies and project management.

Education

B.Tech in Electrical & Electronics Engineering
Rajiv Gandhi Institute of Technology, Kottayam | Oct 2022 - May 2026

12th Grade – Computer Science
NSS HSS Karukachal | 2020 - 2022

Skills

- Electrical Design: Circuit analysis, power systems, control systems
- Simulation: MATLAB/Simulink, Tinkercad
- Embedded Systems: Arduino, C/C++
- Programming: C, C++, Python (basic), HTML/CSS (basic)
- Tools: PVsyst, MS Excel
- Soft Skills: Teamwork, documentation, project management

Projects

- Rooftop Solar Power Plant Design: PVsyst-based layout optimization, shading analysis (Mar 2025 - Apr 2025)
- Wireless Power Transfer for EVs: Simulink model for EV charging (Mar 2025 - Apr 2025)
- Smart Dustbin: Arduino-based contactless waste disposal (Sep 2024 - Oct 2024)
- Electronic Dice: 555 timer & decade IC (Apr 2024 - May 2024)

- Soil Moisture Sensing: Arduino sensor system for smart farming (Nov 2023 - Dec 2023)

Internships

- KSEB 220 KV Pallom: Substation operations, SCADA, protection relays (Dec 2024)
- KEL (Kerala Electrical & Allied Engineering Co. Ltd.): Transformer manufacturing, testing (June 2025)

Positions & Memberships

- Event Coordinator – Astronomical Society of RIT
- Document Lead – Photographic Society of RIT
- Member – ISTE SC RIT, IEEE SB RIT, IEDC-RIT

Certifications

Cybersecurity Fundamentals | MATLAB Certified | Data Science & Analytics | Project Management Fundamentals | AI Basics

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Hobbies

DIY electronics, astrophotography, event documentation, photography

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