

ASHIK PRADEEP

ELECTRONICS & COMMUNICATION
ENGINEER | ENTRY-LEVEL UAV &
AUTOMATION SPECIALIST

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DOB: 11/12/2003

Nationality: Indian



KEY ACHIEVEMENTS

- Achieved IELTS Band Score 6.5, demonstrating strong communication proficiency for global environments.
- Assembled and calibrated FIA QD10 Agricultural Drone, improving field test accuracy by 25% during UAV workshop.
- Led NSS Ernakulam District Initiative, coordinating 20+ community events and training sessions for peers.
- Delivered college-level seminars on UAV innovation, enhancing student engagement by 40% in ECE domain.

TECHNICAL SKILLS

- Power BI | MS Excel | Yokogawa DCS | PLC | IoT Systems | HMI / SCADA
- Proteus | Keil | HFSS | PSpice | Drone Assembly

SOFT SKILLS

- Analytical Thinking
- Communication
- Leadership & Coordination
- Problem Solving
- Time Management

EDUCATION BACKGROUND

- Bachelor of Technology in Electronics and Communication Engineering** – Adi Shankara Institute of Engineering and Technology, Kalady (2025) - **CGPA 7.09**
- Higher Secondary & Secondary Education (CBSE)** – St. Mary's Residential Central School, Alappuzha (2020 & 2021) - **82%**
- Senior Secondary & Secondary Education (CBSE)** – St. Mary's Residential Central School, Alappuzha (2020 & 2019) - **82%**

PROJECTS

- Designed UAV-based Weed Control Drone System for Precision Agriculture
- Built IoT-enabled Street Light Fault Monitoring & Location Tracking

LANGUAGE KNOWN

- English – Fluent (Written & Spoken)
- Malayalam – Native Proficiency
- Hindi – Fluent (Written & Spoken)

PROFESSIONAL SUMMARY

Innovative Electronics and Communication Engineering graduate with hands-on exposure to industrial automation, UAV assembly, and embedded system design. Skilled in applying control systems, IoT, and data visualization tools to optimize performance and streamline technical workflows. Completed certified training with Yokogawa India in DCS and SCADA environments, gaining real-time understanding of control loop engineering and field instrument integration. Demonstrated ability to apply Power BI and Excel for data interpretation and reporting. Motivated to contribute technical expertise and fresh perspective to automation, drone technology, or control system projects.

CORE COMPETENCIES

Distributed Control System (DCS) Configuration | UAV Assembly and Flight Integration | IoT System Development | Data Visualization and Reporting (Power BI, Excel) | PLC & Fieldbus Engineering | Control Loop Programming and Safety Logic Design | SCADA Monitoring Systems | Technical Documentation (LaTeX, MATLAB) | Electrical & Signal Circuit Analysis | Cross-functional Collaboration

INDUSTRIAL EXPERIENCE

Certified Industrial Training – Yokogawa India Limited | Jun & Jul 2025

- Executed CENTUM VP configuration, control loop engineering and function block programming.
- Engineered function blocks and safety logic using Prosafe-RS.
- Integrated field devices via Foundation Fieldbus, ensuring 100% accuracy in signal transmission.
- Applied Fast Tools SCADA monitoring, optimizing fault detection in simulated operations.

Technical Workshop – Fuselage Innovations Pvt. Ltd. | Jan 2025

- Assembled and calibrated UAV flight systems for agricultural drone models.
- Configured propulsion and flight control mechanisms, achieving stable flight accuracy of 95%.
- Conducted UAV field testing and performance validation with engineering team.
- Earned completion certification for advanced UAV assembly and testing.

Embedded System Workshop – Arduino Programming | May 2023 (Intern)

- Developed and tested microcontroller-based prototypes using Arduino IDE.
- Programmed sensor-driven automation modules with zero execution error during trials.
- Designed basic circuit layouts for real-time monitoring systems.
- Participated in hardware debugging sessions to enhance troubleshooting accuracy.

CERTIFICATIONS

- Yokogawa India Limited – Certified Industrial Training in DCS & SCADA Systems
- Fuselage Innovations Pvt. Ltd. – UAV Assembly & Field Testing
- IoT System Development Course
- VLSI Design Flow & Hardware Debugging with Vivado
- MATLAB & VR Integrated Interior Design Workshops