

Abhishek T

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SUMMARY

Results-driven Electronics and Communication Engineer with hands-on industry experience in cable harness manufacturing, PCB and ECU testing, and production team leadership within high-volume manufacturing environments. Skilled in quality assurance, electrical testing, Lean Manufacturing practices, and cross-functional coordination. Strong technical foundation in hardware validation, manufacturing processes, and EV-related electronic systems.

WORK EXPERIENCE

Manufacturing Team Leader — Cable Harness Assembly & Board Testing Jan 2025 – Present
Amphenol FCI, Bangalore

1. Led and supervised cable harness assembly operations including crimping, soldering, routing, and inspection.
2. Planned daily and weekly production activities to meet quality, delivery, and output targets.
3. Conducted in-process and final inspections ensuring compliance with manufacturing and safety standards.
4. Trained technicians on assembly techniques, tooling usage, ESD handling, and workplace safety.
5. Coordinated with design, quality, and procurement teams to resolve material and process issues.
6. Implemented Lean Manufacturing and 5S methodologies to improve workflow efficiency.
7. Performed PCB and ECU testing using ICT, Functional Testing (FCT), and JTAG boundary scan.
8. Supported EV and mobility programs involving BMS, sensors, and electronic module integration.

Machine Learning with Python — Intern
Comp Soft Technologies, Bangalore

Oct 2023 – Dec 2023

1. Learned Python programming fundamentals and introductory machine learning concepts.
2. Worked on data handling and analytical problem-solving exercises.

IoT and Embedded Systems — Intern
IQ Metrics Solutions Pvt. Ltd., Mangalore

Feb 2023 – Mar 2023

1. Gained exposure to IoT architecture, sensor interfacing, and real-time monitoring systems.
2. Assisted in embedded application development and system testing.

ACADEMIC PROJECTS

Smart Solar-Powered Agriculture Robot (B.E Major Project)

- Designed a solar-powered robotic system for crop and environmental monitoring using sensors.
- Implemented automation logic for agricultural data collection.

RFID-Based Automatic Door Locking System

- Developed an RFID-based access control system to restrict unauthorized entry.
- Built and tested a working prototype demonstrating secure authentication.

EDUCATION

2022–2025	Bachelor of Engineering (B.E.) in Electronics and Communication Engineering Shree Devi Institute of Technology, Mangalore Visvesvaraya Technological University, Belagavi	(87%)
2019–2022	Diploma in Electronics and Communication Engineering D R R Government Polytechnic, Davanagere	(60.52%)

SKILLS

Hardware & Manufacturing: Cable Harness Assembly, PCB Assembly & Testing, ECU Testing, Crimping, Soldering, Quality Inspection

Testing & Validation: In-Circuit Testing (ICT), Functional Testing (FCT), JTAG Boundary Scan, Defect Analysis

Tools & Software: MATLAB, Simulink, Xilinx, Keil µVision, Turbo C

Programming: C, C++

Manufacturing Practices: Lean Manufacturing, 5S, ESD Safety, Production Planning, Quality Assurance

Soft Skills: Team Leadership, Communication, Problem Solving, Cross-Functional Coordination