

DABLOO KUMAR

9308687358 | ✉ dabloo712@gmail.com | Hyderabad, India

PROFESSIONAL SUMMARY

Experienced PCB Design & Testing Engineer with 4 years of hands-on experience in OrCAD, E3, and PCB troubleshooting for critical systems including Control Rod Drive Systems used in nuclear reactors. Proven expertise in ATE rack testing, IR/VP testing, ESS testing, and microcontroller programming. Familiar with signal and power integrity concepts, and embedded systems debugging.

TECHNICAL SKILLS

- PCB Design Tools: OrCAD, E3 Series, AutoCAD Electrical
- Testing Tools: Digital/Analog Oscilloscope, Signal Analyzer, Chroma Source, ATE
- Schematic & Layout: Schematic capture, netlist verification, Gerber generation/review
- Programming: Basic Embedded C, Microcontroller/CPLD Programming
- Communication Protocols: CAN, MIL-STD
- Hardware Testing: IR/VP, ESS (Burn-in, Thermal Cycling, Vibration)
- Other: SAP (basic), Documentation, Procurement handling

PROFESSIONAL EXPERIENCE

ELECTRONICS CORPORATION OF INDIA LTD (ECIL) – Technical Officer (Contract)

Hyderabad | Mar 2021 – March 2025

Project: Control Rod Drive System – Nuclear Reactor

- Led testing and troubleshooting of PCB modules and populated racks for CRDS using ATE.
- Developed and maintained test jigs and test protocols for VP, IR, and PFT tests.
- Conducted ESS testing: Thermal cycling, Random Vibration, and Burn-In.
- Performed firmware flashing (microcontroller and CPLD dumping).
- Facilitated CAN and MIL-STD communication tests.
- Coordinated material procurement and handled complete technical documentation

EDUCATION

B.E. – Electronics Communication Engineering

RGPV University, Bhopal – 2017 | 76.2% | First Class

GATE Qualified: 2017, 2018, 2019

CERTIFICATIONS & TRAINING

- Full Stack Development Trainee (HTML, CSS, Python) – Nxtwave

- Industrial Training in Transformer & Meter Testing
- Workshops: Power Electronics & Drives, CPRI & Tesla Transformer Visit

PERSONAL DETAILS

Date of Birth: 15 March 1994

Languages: Hindi, English

Notice Period: 1 Month (Negotiable)