


JAY DAVE

 Ahmedabad, Gujarat

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EDUCATION

- B. Tech in Electrical Engineering – Nirma University
 - Diploma in Electrical Engineering – Government Polytechnic, Ahmedabad (GTU)
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PROFESSIONAL SUMMARY

Detail-oriented Electrical Engineer with hands-on experience in transformer testing, quality assurance, and NABL lab operations. Skilled in performing routine, type, and special tests as per IS 2026 and IS 1180 standards, along with technical reporting, audit support, and FAT activities. Strong expertise in lab-based testing, quality control, and documentation, seeking a stable QA / Testing / Lab-based role.

CAREER OBJECTIVE

To secure a lab-based or plant-based Electrical QA / Testing role where I can utilize my expertise in transformer testing, quality assurance, and technical analysis, while contributing to product reliability and compliance.

CORE SKILLS

- Transformer Testing (Routine, Type & Special Tests)
 - FAT (Factory Acceptance Testing)
 - Quality Assurance (QA/QC) & Inspection
 - NABL Documentation & Audit Support
 - Electrical Testing: OC, SC, IR, Induced Voltage, Temperature Rise etc.
 - Technical Reporting & Analysis
 - Calibration Record Management
 - Fault Diagnosis & Root Cause Analysis
 - Electrical Maintenance (Motors, Panels, Distribution)
 - MATLAB / Simulink, NEPLAN (Basic)
 - Planning & Scheduling
 - Client handling
 - Maintenance Scheduling
 - 5S activity co-ordination
 - Quality Control
 - ISO/NABL Compliance
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PROFESSIONAL EXPERIENCE

Engineer Trainee – Electrical Testing

ERDA, Vadodara | Aug 2025 – Present

- Conducted routine, type, and special tests on distribution transformers (2.5 kVA to 2.5 MVA)
 - Performed testing as per IS 2026 & IS 1180 standards ensuring compliance and quality
 - Assisted in FAT activities and customer inspections, ensuring accurate reporting
 - Maintained NABL documentation, calibration records, and audit readiness
 - Supported failure analysis and root cause identification
 - Prepared detailed test reports and technical documentation
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Operations Engineer – Electrical Maintenance

Darsshon Plastics, Daman | Jul 2024 – Jul 2025

- Managed preventive and breakdown maintenance of motors, control panels, and distribution systems
- Reduced downtime through effective troubleshooting and maintenance planning
- Ensured compliance with electrical safety standards and operational reliability

Intern – Electrical Design & Analysis

Harsha Engineers International Ltd., Ahmedabad | Jan 2024 – Nov 2024

- Designed and analysed PMBLDC motors using FEA concepts.
- Performed loss minimization and performance optimization studies.

Intern – Transmission Systems

Adani Transmissions, Mundra | Jun 2023 – Jul 2023

- Gained exposure to HVDC substation operations and protection systems
- Learned practical aspects of transmission system monitoring and control

PROJECTS

- PMBLDC Motor Design for EV Applications
- Micro-grid Demand Response Analysis

CERTIFICATIONS

- Electrical Distribution System Analysis – Nirma University
- ESOL Certification – Cambridge University

KEY STRENGTHS

- Strong expertise in lab-based testing & quality control
- Experience with NABL standards & audit processes
- Ability to handle technical documentation & reporting independently
- Detail-oriented with focus on accuracy, compliance, and reliability