

MUHAMMAD ZEESHAN

Electrical Engineer

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Passport # CD5845271



PROFESSIONAL PROFILE

Experienced Electrical Engineer with 7+ years in electrical maintenance, fault troubleshooting, and system optimization. Currently, an Assistant Engineer at Karachi Electric, specializing in diagnostic testing, preventive and corrective maintenance, and safety compliance. Adept at enhancing system reliability, reducing downtime, and implementing efficient maintenance strategies. Committed to delivering high-quality technical solutions and operational excellence.

CORE SKILLS

- Electrical Fault Diagnosis & Troubleshooting
- Preventive, Corrective & Predictive Maintenance
- Electrical Testing & Inspection
- Distribution System Maintenance
- Equipment Repair & Overhaul
- Safety Compliance & Protocols
- Fault Analysis & Root Cause Identification
- Diagnostic Techniques (Infrared & Vibration Analysis)
- Team Collaboration & Coordination
- Technical Documentation & Record Keeping
- Electrical System Design Support
- Calibration of Electrical Instruments
- System Performance Optimization
- Problem Solving & Critical Thinking

EDUCATION

BACHELOR OF ELECTRICAL ENGINEERING TECHNOLOGY

2019 to 2022

Indus University, PAKISTAN

APPRENTICESHIP PROGRAM

2018 to 2020

K.E Distribution Network Academy, PAKISTAN

CAREER SUMMARY

7-Years

ASSISTANT ENGINEER AT KARACHI ELECTRIC

January 2021 - Present

KARACHI ELECTRIC (KE)

Key Responsibilities:

- Troubleshooting and Repair Identify and rectify electrical distribution system faults, ensuring minimal downtime and optimal system performance.

- Corrective Maintenance: Perform corrective maintenance tasks on electrical distribution equipment, including circuit breakers, switchgear, and transformers.
- Fault Analysis: Analyze electrical distribution system faults to determine root causes and implement corrective actions.
- Electrical Testing: Conduct electrical testing and inspections to ensure compliance with safety standards and regulations.
- Equipment Maintenance: Maintain and repair electrical distribution equipment, including routine maintenance tasks and major overhauls.
- Team Collaboration: Collaborate with electrical maintenance teams to ensure effective troubleshooting and repair of electrical distribution system faults.
- Safety Procedures: Ensure compliance with safety procedures and protocols when performing electrical distribution corrective maintenance tasks.
- Documentation: Maintain accurate records of electrical distribution system faults, repairs, and maintenance activities
- Scheduled Maintenance: Perform routine inspections and maintenance tasks on electrical distribution equipment, including circuit breakers and transformers.
- Predictive Maintenance: Conduct predictive maintenance activities, such as infrared scanning and vibration analysis, to identify potential electrical distribution system faults.
- Preventive Maintenance Plans: Develop and implement preventive maintenance plans to minimize electrical distribution system downtime and optimize system performance.
- Equipment Testing: Perform electrical testing and inspections to ensure compliance with safety standards and regulations.
- Maintenance Records: Maintain accurate records of electrical distribution system maintenance activities, including schedules, procedures, and results.
- Team Collaboration: Collaborate with electrical maintenance teams to ensure effective preventive maintenance and minimize electrical distribution system faults
- Safety Procedures: Ensure compliance with safety procedures and protocols when performing electrical distribution preventive maintenance tasks.

Electrician

June 2018 – December 2018

ALLIED CONTRACTOR

- Installation and Repair: Install, maintain, and repair electrical systems, equipment, and components.
- Troubleshooting: Troubleshoot electrical issues using various testing equipment and techniques.
- Electrical Testing: Conduct electrical testing and inspections to ensure compliance with safety standards and regulations.
- Maintenance and Upkeep: Perform routine maintenance tasks, such as cleaning and replacing components, to ensure optimal electrical system performance.
- Technical Documentation: Read and interpret technical documentation, including electrical schematics and diagrams.
- Team Collaboration: Collaborate with other technicians and engineers to resolve complex electrical issues.
- Safety Procedures: Ensure compliance with safety procedures and protocols when performing electrical work.
- Equipment Calibration: Calibrate electrical equipment and instruments to ensure accuracy and precision.
- Electrical System Design: Assist in the design and development of electrical systems and components.
- Training and Development: Participate in ongoing training and development to stay current with new electrical technologies and techniques.

CERTIFICATIONS & WORKSHOPS

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| ▪ Quality Culture at KE Distribution Network Academy, Karachi | 2022 |
| ▪ LT ABC Execution SOP at KE Distribution Network Academy, Karachi | 2022 |
| ▪ TEAM LEAD REFRESHER at THE HUNAR FOUNDATION, Karachi | 2025 |
| ▪ SKILL ENHANCEMENT OF CM TEAM LEAD at THE HUNAR FOUNDATION, Karachi | 2025 |
| ▪ Line Isolation of HT/LT Network ,LOTO & PTW FY 25-26 at KE Distribution Academy ,Karachi | 2026 |
| ▪ Installation of Unified Box at KE Distribution Academy ,Karachi | 2026 |

PROFESSIONAL STRENGTHS

- Communication Skills
- Problem Solving Skills
- Stress Management
- Learning Habits about Modern Methods in Management
- Lesson Learnt oriented behavior
- Pressure Handling Techniques
- Adaptability with Organization work environment and culture

LANGUAGES

- Urdu (Native)
- English (Mid-Level)