

Love Kumar Garg

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Electrical Engineer

EDUCATION

SSC(CBSE)

Modern secular senior secondary school, Rampura

2017

8.4 CGPA

HSC

Govt senior secondary school, Mandi Phul

2019

77%

Bachelor of Technology (B.Tech.), Electrical Engineering

Giani Zail Singh Campus College of Engineering & Technology, Punjab

2019-2023

8.5 CGPA

WORK EXPERIENCE

Maruti Suzuki India Limited

(oct 2025-Present)

Works in operations and Maintenance

- Operation and Maintenance of 220KV, 22KV, 11KV, 6.6KV, 0.415KV Substation with compliance OMS, SOP, SMP's.
- Expertise in Electrical Maintenance, Troubleshooting's and Retrofitting's works.
- Performed predictive, preventive and corrective maintenance of electrical equipment's like transformers, Switchgears, motors, VFD, UPS & battery chargers.
- CPP – 11KV Diesel generations, 6.6KV Gas-gensets, DG, Solar power plants.
- Experience to maintain reliability of drives and completed training of Danfoss drives- works on Power flex (Rockwell) Vacon (NXP), ABB ACS800, Siemens master drive.
- Maintained MCC/PCC Panels including feeder Protections, Contactors, ACB/MCCB, Busbars, Power cables, I/O Wiring.
- Working on Star-delta, DOL & soft starters, commissioned star-delta starters inhouse panel control and power wiring.
- Expertise in relay coordination, settings and relay testing.
- Coordinate with instrument team to solve problems occurred in DCS, PLC and Scada.
- Ensured strict compliance with electrical safety standards including LOTO, permit to work (PTW), PPE usage, and arc flash safety practices.
- Prepared breakdown reports, RCA analysis, WHY-WHY analysis, Pm check sheets, documentation.
- Collaborated with cross-functional teams during shutdowns, commissioning, and production activities.
- Working on SAP to maintain good practices of documentations like PR, PO and MMCS.
- Installing and commissioning 11kv NX-AIR switchgears siemens make.
- Executed switchgear selection (ACB/MCCB), protection relay coordination, CT/PT sizing, and busbar sizing.
- Prepared comprehensive GA drawings, SLDs, control schematics, and panel layouts using AutoCAD.
- Developed accurate Bills of Materials (BOM) and material take-offs aligned with project and manufacturing required.
- Participated in inspections, FAT, SAT testing and commissioning equipment and electrical systems like transformers, Lt panels, BESS and safety compliance.
- Preparing and monitoring daily and monthly power reports and working on power saving methods.

Works in Utilities Maintenance & Projects

- Operation and Maintenance of 100KV, 22KV,11KV,6.6KV,0.415KV Substation with compliance OMS, SOP, SMP's.
- Commissioned 6.6 KV switchgears and MCC/PCC Panels, part of PSSR.
- Synchronization, working, maintenance of 6.6KV HT Diesel generators.
- Faced Plant Power failure scenario and islanding schemes.
- Protection system-CT, PT, Electromechanical, Numerical Relays & Design Electrical circuits on Visio software.
- Managing site electrical equipment thermography hotspot survey and attending job under CES electrical.
- Ensuring safe execution of jobs following control of work: work permit system, proper LOTO procedure.
- Training Completed
 - "Reliability Analysis of Electrical equipment's" at Reliance Jamnagar.
 - "VFD Reliability and Energy efficiency" at Danfoss Chennai.
- Creating Risk Assessment check sheets and HITRA (Hazard Identification and Task Risk Assessment).
- Preventing Incident investigation reports and Root Cause Analysis.

- Using SAP for:
 - Notification, order, and work permit creation and closure.
 - Critical Spare material procurement via MMCS (Material Master Control System) and SAP.
- Site daily and monthly power consumption report.
- Preparing shutdown plan, schedules, bill of materials and other documents.

INTERNSHIP

Power and perfection PVT LTD Industries, Bathinda

(2023)

- Training and experience in electrical transformer manufacturing up to 10 MVA.
- Learned protection and electrical safety compliance during manufacturing & Exposure to testing of transformers, types of colling systems.

PLC and Scada

(2022)

- Understood PLC Micrologic -1400 and ring formation of controlled circuit, 4-20ma communications
- Ladder logic programming.

SKILLS

- | | |
|--------------------------------------|---------------------|
| ▪ Electrical Power System | ▪ SAP-PM, MM |
| ▪ OSHA | ▪ Energy Efficiency |
| ▪ Predictive, Preventive Maintenance | ▪ Circuit Designing |
| ▪ SOP, SMP, HITRA | ▪ 5" s |

COLLEGE PROJECTS

- E-Bicycle using VLDC motor.
- Portable solar tracker (using BMS system, 12V dc).

LANGUAGES

English, Hindi, Punjabi

I hereby clarify the information provided above is true to the best of my knowledge.