

RESUME

KARAN SINGH
B.Tech.(EE)

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CARRIER OBJECTIVE

To work in a creative & challenging environment as a valuable team member where I can learn new skills and develop myself to contribution in the organizational growth.

Results-driven Electrical & Instrumentation Engineer with over **9+ years of experience** in brewery, beverage, and industrial automation environments. Proven expertise in **PLC automation, electrical & instrumentation maintenance, preventive maintenance, commissioning, and troubleshooting**. Strong hands-on experience with Siemens and Allen-Bradley PLCs, SCADA systems, VFDs, and industrial instrumentation. Adept at improving plant reliability, minimizing downtime, and ensuring compliance with safety and quality standards.

ACADEMIC QUALIFICATION

- **B.Tech – Electrical Engineering**
Vidya Bharati Institute of Management & Technology | **71%**
- **Diploma – Electrical Engineering**
GTB Khalsa Polytechnic College | **61.95%**
- **12th & 10th (PSEB)** – Punjab School Education Board

CERTIFICATION

- **Electrical Supervisor License**, Government of Punjab – [valid upto 15 Sept 2030]

ORGANIZATIONAL DETAILS

Present Company: - Varun Beverages Panipat

- **Executive – Deputy Manager (Maintenances)**
May 2026 – Present
Responsibility & Accountability
 - Lead electrical, instrumentation & Maintenance activities across the plant
 - Diagnose and resolve faults to minimize downtime
 - Plan and execute preventive maintenance schedules for all utility systems
 - Manage AMC activities, Engineers & Team shift rosters, and manpower allocation
 - Maintain inventory control for Utility spares
 - Hands on experience with SAP for Material management, GRN processing and reporting
 - Ensure compliance with safety standards and statutory requirements

HISTORY OF EMPLOYMENT:-

United Breweries Ltd., Ludhiana

- **Executive – Assistant Manager (Utility)**

January 2024 to May 2026

Responsibility & Accountability

- Lead electrical and instrumentation maintenance activities across the plant
- Diagnose and resolve PLC, electrical, and instrumentation faults to minimize downtime
- Plan and execute preventive maintenance schedules for all E&I systems
- Manage AMC activities, electrician shift rosters, and manpower allocation
- Maintain inventory control for electrical and instrumentation spares
- Hands on experience with SAP for Material management, GRN processing and reporting
- Ensure compliance with safety standards and statutory requirements

Successfully executed and supervised key plant projects, including:

- Installation and commissioning of **VCB panels, MCC panels, and conveyor control panels**
- Plant-wide **CCTV camera installation** to enhance operational safety and surveillance
- Installation and integration of **new flow meters** in the Brewhouse, CO₂ plant, and boiler systems
- **UPS installation** in the filtration section for dosing systems to ensure uninterrupted process operations during power failures
- **UPS installation for rice cooker systems**, supporting process efficiency and reliability during Power failures.

Carlsberg India (Aurangabad).

- Period of service: - 19 Sep 2022 to 13 Jan 2024.
- Designation: - Executive- Manufacturing Operations (Utility Maintenances).

Responsibility: -

- Managed electrical and instrumentation maintenance for utility and production areas
- Performed PLC fault analysis and corrective actions
- Implemented preventive maintenance strategies improving equipment reliability
- Coordinated AMC schedules, workforce planning, and spare management
- Supported continuous improvement initiatives in utilities and operations

Wave Distilleries & Breweries Ltd, Brewery Division Aligarh (U.P).

- Period of Service: - 28 Dec 2021 to 08 Sep 2022
- Designation: - Instrument Engineer
- Role: - Instrument Maintenance of all plant, Troubleshoot PLC and Electrical
- Company Profile: - It is largest brewery in India having brewing capacity of 1.2millionHLPA.it is having 2 RGB (21000BPH each) and 3 CAN (16000CPHeach) line. New high rated installed can line which Capacity 22000CPH. It is 90% beer for United Breweries and remaining 10% its own beer in the name WAVE.

Simran Industrial Electronics & Instrumentation, Ludhiana, Punjab

- Designation: - Instrumentation Engineer
- Duration: - Dec, 2016 to 25 Dec 2021

- Role: - All activity for new project, Field (Automation Siemens PLC, Troubleshoot PLC Calibration Instrument all types) and Offices work.
- Commissioning of Panel
- Knowledge of instrumentation, PLC Automation, Calibration of all instruments Like Digital multi meter, Indicators, temperature Controller indicators, RTD, Thermocouples all types, and pressure gauges.

PROJECT WORKS

- Rice Bracket Boiler 10TPH installed at Carlsberg Aurangabad.
- **Work on** case Packer Machine at Varun Beverages Phillaur (Punjab).
- **Installation** of Micro Brewery Control Panel, Implementation of programming & Control wiring.
- **Calibration** on Temperature indicator & PID Controller, Pressure Gauge and Control Valve at Milk Plant Verka, United Beverages Ludhiana, Carlsberg India Pvt. Ltd. Paonta sahib, Varun Beverages Phillour, Varun Beverages Pathankot etc.
- **PLC Project** Carlsberg in CO² recovery plant, CO₂ Liquification, Hologram programming for Can and bottle, Godrej Baddi in Environment temperature control program and panel, Sahlon corp. Phagwara in spring making, Power System Control Jalandher in Power control programming etc.
- **Troubleshoot PLC Programming** Chenab Textile, Tirupati Balaji Exim Ludhiana, Coca-Cola Saha, Kandhari Beverages Jammu, Carlsberg Poanta Sahib in bottle filler & Can Washer, Varun Beverages in Pathankot, Varun Beverages in Bopal, Gorkha brewery Nepal Basantra etc.

TRAINING

- 6 Months Industrial training of Industrial Automation at APTRON **AUTOMATION Pvt. Ltd NOIDA**
- PLC-Allen Bradley micro-Logix 1000: System Architecture, Programming on Software.
- PLC-SiemensS7-200(222CN) S7-200 Smart, S7 1200 &1500 and S7 300.
- SCADA-In Touch Programming.
- Knowledge of VFD (Denfoss, Delta), Servo Drive & Motor.
- Knowledge of Wiring of PLC
- 45 Days Training of PLC at **Wind tech Pvt. Ltd. Bathinda Punjab.**
- Diploma Training 45 Days in 132K Sub Station in Malout.

PERSONALITY

- `Ability to work in a group.
- Sincere and hardworking.

LANGUAGES

- Punjabi, Hindi, English.

COMPUTER SKILLS

- Strong computer proficiency
- Internet and Email communication
- Advanced knowledge of Microsoft Word and Excel
- Proficient in Microsoft PowerPoint – Experienced in creating professional presentations for various purposes

HOBBIES

- Traveling,
- Listing Music

PERSONAL DETAILES

Date of Birth : 31/03/1993
Father's Name : Late Mohan Lal
Married Status : Married
Current Address : Ludhiana Punjab
Permanent Address : Ward No.16 House. No 554 Bharat Nagar
Back Side Prince Model School
Malout Distt. Muktsar Punjab



Karan Singh