

RESUME OF LAKHVINDER SINGH



SUMMARY

Professional Mechanical Engineer with experience in heating, ventilation and air conditioning (HVAC) design, construction and specification of commercial buildings. Code compliance, LEED compliance, and building performance compliance. Indoor air quality evaluations relating to HVAC, building envelope and environment. Forensic evaluations involving HVAC and refrigeration equipment and systems,

Industrial Hygienist with experience in mold sampling and remediation, building inspection experience, safety and warnings evaluations, indoor air quality and the evaluation of associated building systems and envelopes, multiple continuing education courses in industrial hygiene, preparing for certification test.

Accident reconstruction experience including low-speed, bicycle and pedestrian accidents, trailer damage, rules of the road compliance, airbag module evaluation, time-distance and speed calculations. 3-D accident modeling and point of view studies.

Product liability cases include appliance water and fire losses, equipment product and material failure analysis, life safety systems failures, installation and design failures and inconsistencies.

PROFESSIONAL EXPERIENCE

Employer - Sarovar Hotels & Resorts (2018 to Present)

Designation:- Shift Engineer – Mechanical: Failure analysis of heating, cooling and ventilation systems for commercial and residential properties and rectification as well. Forensic evaluations and failure analysis for plumbing systems and components, and appliances. Code compliance for plumbing and ventilation systems. Industrial hygiene evaluations including asbestos, mold, air quality, occupational safety, lead, etc. Vehicular accident reconstruction and failure analysis.

Employer - Northern air conditioning (2011 – 2018)

Designation:- Refrigeration and Air Conditioning Mechanic – Responsible for HVAC design-builds ranging from large commercial new construction buildings to smaller tenant improvements. Design responsibilities included 3-D modeling of HVAC and plumbing systems, mechanical/ electrical/ plumbing plan coordination and conflict resolution, construction management, field coordination, and equipment selection. Also assisted in green building design compliant with LEED standards using building energy performance analysis software, increasing ventilation, indoor air quality needs, and reducing the use of hazardous refrigerants in building equipment.

Employer - Surya Pharmaceutical Pvt. Ltd (2009-2011)

Designation:- Utility operator - Installing, maintaining and repairing ventilation and **air conditioning** systems and equipment. Identifying maintenance risks on equipment. Diagnosing electrical and mechanical faults for **HVAC** systems. Cleaning, adjusting and repairing systems, and performing warranty services.

PROFESSIONAL REGISTRATION, CERTIFICATION

Challenge Application Approval Letter from Industrial Training Authority British Columbia Canada (Individual ID: 706507)

Educational Credential Assessment for Citizenship and immigration Canada (ECA#: 2703396IMM)

EDUCATION & TRAINING

Matriculation from Punjab School Education Board (2003)

Higher Secondary from Punjab School Education Board (2005)

Graduation from Punjabi University Patiala (2005-2008)

Industrial Training Institute Diploma in Refrigeration and air conditioning (2005-2007)

National Apprenticeship Certificate from industry “Punjab Communication Ltd” (2008-2009)

Special training During Apprenticeship: Air Sampling Fundamentals for the Workplace, Safety and Health, Exposure and Chemical Monitoring, Practical Noise Control Engineering, Fundamentals of Industrial Hygiene, Introduction to Human Health Risk Assessment, Applying Tools, Respiratory Protection Course.

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