

# **RESUME OF QUALIFICATION AND EXPERIENCE**

**NIKHIL NAYYAR, P.ENG.**

**17510 - 102 Avenue**

**Edmonton, Alberta**

**T5S 1K2**

## **EMPLOYMENT HISTORY**

**2012 – Present**     **ALLAN R. NELSON ENGINEERING (1997) INC., Edmonton, Alberta**  
**Mechanical Engineer**

- Carry out engineering analysis on structures and associated equipment for drilling and service rigs.
- Design oilfield equipment and structures according to API Specifications and CAODC Recommended Practices.
- Perform failure analysis of oilfield equipment and other industries.
- Prepare drawings using AutoCAD, SolidWorks, and FEA analysis using S-Frame and ANSYS.
- Conduct equipment and structural inspections according to COADC Recommended Practices or applicable standards.
- Prepare engineering reports for inspections, instruction, and failure analysis intended for customer use.

**2011 - 2012**     **TROIKA FOODS LTD., Sherwood Park, Alberta**  
**Summer Student Intern**

- Worked on various projects such as inventory setup and control, defining packaging and labeling procedures, setting up minimum order quantity, reorder quantity and maximum order quantity.
- Application of lean manufacturing on the pasta production assembly line by reducing wastage and increasing production by 7% by designing of alternate conveyor belt system.
- Time based study on manual individual production (20 employees) of cabbage rolls into a production assembly line (removing bottlenecks) leading to increase in production by 2.3%.
- Working on supply-chain management – distribution network configuration, information, inventory management.

**2009 - 2010**     **MOTORS PVT. LTD. (Suzuki Garage & Body Shop), New Delhi, India**  
**Management Intern / Internal Auditor – Rajesh & Anil**

- Conducting internal audits as per ISO 9001:2008 standards.
- Working on continual improvement, preventive and corrective actions for the non-conformities.
- Buying of new equipment (Precision Paint booth) with a cost of \$60,000, which improved the quality, as well as production by 15%.
- Optimized procedures such as oil change, servicing replacement of rear brake shoes, engine overhauling. Defining and documenting quality policy, quality objectives, quality manual and procedures.
- Root cause analysis of customer satisfaction index bringing it from 88% to 91% with use of management tools.

**2007 – 2007**      **JCB, Edmonton, Alberta**  
**Summer Internship**

- Studied various processes involved in all vehicle inspection departments, which were wheel alignment process, pollution test, brake test.
- Developed understanding of manufacturing process of heavy construction equipment such as tracked excavators and backhoe loaders.

**2006 – 2006**      **ARVIND ENGINEERS LTD., Edmonton, Alberta**  
**Summer Internship**

- Worked on the assembly line of steering joints used in assembly of Yamaha motor bikes, also learned manufacturing process such as drilling, taping and welding.

**EDUCATION**

Masters of Engineering (Mechanical), University of Alberta, Edmonton, Alberta (2010–2012)

Post Graduate Diploma in Business Administration, Symbiosis Centre for Distance Learning, Pune (2008-2010)

Bachelors of Engineering (Mechanical), Maharishi Dayanand University, Rohtak (2004-2008)