VARUN SHARMA
2524 20 Avenue Northwest, Edmonton, AB T6T 0Y7
Mobile: 780-920-8559 Email: varun1@ualberta.ca

PROFESSIONAL SUMMARY

Result orientated, a self-motivated graduate student seeking Summer Internship - Engineering: Track. Bringing diverse experience in supply chain, implementing the organizational strategy, operational research, marketing and sales and a willingness to take on added responsibility to meet tight deadlines. Enthusiastic team player with a strong work ethic and advanced complex problem-solving skills.

Highlights

- Hands on experience in creating MS Office, Project and Outlook, Gurobi, Cplex, LP solve, Reliability Engineering Toolbox: Reliasoft
- Railway blocking optimization problem using AMPL programming model (2016) - Described manual blocking plans of CN railways using Excel spreadsheet. Applied Integer Linear Programming(ILP) design model for minimizing cost for freight.
- Ability to translate and communicate business opportunities into technical requirements.
- Excellent in handling internal, cross-group cooperation as well as external partnerships to create a competitive advantage of company's portfolio.
- Marketed products to various clients like Indian Space Research Organization (ISRO) and planned strategies to attract future clients in various sectors.
- Currently working on a project with the City of Edmonton and using organizational strategy experience to analyze WinterCity Strategy initiated by the City of Edmonton.

WORK HISTORY

Instrumentation Engineer
Alliance Technologies Pvt. Ltd – Delhi, India (10/2014 to 06/2015)

- Worked on projects involving equipment installation of equipment on site for clients such as Indian Space Research Organization(ISRO), Indian Oil Corporation Ltd (IOCL) and Indian Institute of Technology, Delhi (IIT-D).
- Responsible for providing technical assistance and after support through email, phone and by visiting client location.
- Contributed in key deals with various clients both in the educational sector and Multinational Corporation.
- Responsible for targeting new customers by looking into the market or by taking online surveys.
- Contributing to team effort by accomplishing sales targets as needed. Preparing product or service reports by collecting and analyzing customer requirements.
- Attended several commercial/technical tender openings. Visited sites for discussing client's requirements.

Engineer in Training
Phoenix Contact- Delhi, India (03/2014 to 06/2014)

- Visited clients to take sales orders, product requirements and show them new products.
- Prepared documentation on a range of products the company was offering.
- Worked within a team, headed by VP Sales, senior sales managers to optimize market performance.

Engineer in Training
India Limited-Delhi, India (07/2013 to 09/2013)

- Learned and prepared documentation on Instrumentation systems, control schemes.
- Learned about features of PLC and SCADA.

Trainee
Sofcon India Pvt Ltd- Delhi, India (08/2013 to 09/2013)

- Learned programming on Allen Bradley & Siemens PLC.

Projects

University of Alberta (Sep 2015 - Present)

- Capstone project (Present)- Writing guidelines to discuss/define process safety management to consider the acceptable risk for Canadian Society for Chemical Engineering (CSChE), Transport Canada.
- WinterCity Strategy with City of Edmonton (Present)- Performing strategic diagnosis involving situation description, external analysis, internal analysis, performance analysis and recommendations and implementation to the suggested strategies.
- Railway blocking optimization problem using AMPL programming model (2016) - Described manual blocking plans of CN railways using Excel spreadsheet. Applied Integer Linear Programming(ILP) design model for minimizing cost for freight to travel from point A to B using Gurobi Optimizer.
- Project on Intellectual Property and New Technology Commercialization (2016)- Described the process of patent filing of an Electronic wheelchair. The process of patenting for the project was learned and followed using United States Patents & Trademark Office's website.
- Term paper on Engineering Safety and Risk Management (2016) - Paper explains the various technology and safety adoption barriers in an airline industry, possible causes of why technology adoption is slow in an airline industry and recommendations for a making airline industry more reliable.
- Cabin crew assignment problem in an Airline Industry using LP solve (2015)- Linear programming problem was formulated to minimize the cost of operating an airline by optimally scheduling in-flight cabin crew.
- Project Management report (2015) on making a farmhouse as self-sustainable as possible within a given budget constraint using project management tools.

ACCOMPLISHMENTS

- Vice President Volunteers of Mechanical Engineering Graduate Students Association. (09/2016-Present)
- Represented University of Alberta School of Business department at Canadian Business Leader Award, 2017.
- Hosted interdepartmental events allowing students from different faculties interact and share research ideas.
- Placed on Dean's Honor List for high academic achievement in Instrumentation & Control Engineering, PDM College of Engineering, Maharishi Dayanand University, Haryana.
- Undergraduate Scholarship – Institutional Scholarship awarded to students based on academic merit, PDM College of Engineering, Maharishi Dayanand University, Haryana.

VOLUNTEERING

- Represented Engineering Management Department in Engineering Expo 2016.
- Participated in University of Alberta Open House 2016.
- Contributed to raising funds in summer breaks for Non- Governmental Organization (NGO) for the support of blind people.

OTHER INFORMATION

- Eligible to work in Canada.
- Obtained Class 5-GDL driver's license.
- Standard First Aid and level C CPR Certification (April 10, 2017)

EDUCATION

- University of Alberta- Edmonton, Alberta. (MEng, Engineering Management (Sep 2015- Present))
- PDM College of Engineering, Haryana, India. (Instrumentation and Control Engineering (Aug 2010- Sep 2014))