

**AARJAN POUDEL**  
**MECHANICAL ENGINEER**

709-330-5211 | [aarjanpoudel12@gmail.com](mailto:aarjanpoudel12@gmail.com) | Moncton, NB | <https://www.linkedin.com/in/aarjanpoudel/>

Operation Supervisor/Coordinator at Fleet Operation at Kent Homes. I also have 5 engineering internship experiences in diverse set roles and industries which includes ***Maintenance and Reliability Intern at Irving Tissue*** and ***Project Engineering Intern at Irving Pulp and Paper***

**Selected Highlights**

- Proficient in SolidWorks, AutoCAD, MicroStation, MATLAB, AutoCAD and Microsoft Office Suite
- Proven ability to lead and execute projects including in-depth technical analysis, team coordination etc.
- Diverse experience in various technical areas, including failure analysis, cost & feasibility analysis, preventative maintenance, technical research, report writing, data analysis.
- Familiar with industrial standards, safety protocols and standard operating practices ensuring adherence and promoting safe operations.

**Education**

**Bachelor of Mechanical Engineering** | St. John's, NL 2015-2020  
**MEMORIAL UNIVERSITY OF NEWFOUNDLAND**, Faculty of Engineering & Applied Science (Co-op Program)  
*Cumulative Avg: 81.0 %, CGPA: 3.64*

**Professional Experience**

**Operation Coordinator/Supervisor** | Bouctouche NB  
**KENT HOMES – J.D IRVING**



2021-Present

**People Management:** Successfully led a team of five employees dedicated to the maintenance and logistics of fleet operation.

**Logistics and Maintenance:** Responsible for overseeing the daily logistics and maintenance operation for fleets, including scheduling deliveries, pickups, and maintenance services to ensure efficient fleet management.

**Procurement:** Involved in the complete procurement cycle for fleet operation i.e., material issuing, tracking the inventory through J.D Edwards Software – E1, ordering materials as per the demand of the operations etc.

**Process Improvement:** Managed complete procurement cycle for fleet operation, including tracking inventory through J.D Edward

**Projects:** Performed maintenance expense analysis on fleet trucks to reduce overall maintenance costs, as well as brought visibility of repair expenses on fleet trailers. Involved with *Fleet Refurbishment Project, 5S, Asset Management and Disposal, Safety Initiatives, Work Order Software Implementation etc.*

**Project Engineering** (4-month internship) | Saint John, NB  
**J.D IRVING – IRVING PULP AND PAPER**



2019

**Project Management:** Successfully executed Chip Silo Project, which involved managing and leading 15 contractors, and required in-depth technical analysis, procurement, and onsite supervision. Presented project accomplishments to senior management at the end of the work term.

**Planning & Organization:** Provided assistance to senior engineers in major engineering projects including Bark Boiler Shutdown. Participated in the in-depth planning, execution of the project including pipe tie-ins, pipe insulation, as-building P&ID, and other related activities.

**Documentation:** Prepared a broad range of documentation to update the supervisors with the daily progress of New Pulp Dryer Construction Project utilizing BIM 360 (Building Information Modelling).

### Professional Experience (cont.)

**Installation & Follow-up:** Collaborated with Senior Project Engineers on multiple projects during the Yearly Shutdown with the planning, design, and execution i.e., installation of agitator, air knife blower system etc.

**Mechanical Engineering** (4-month internship) | Saint John, NB  
J.D IRVING – IRVING TISSUE

2019

**Cost & Feasibility Analysis:** Conducted cost and feasibility analysis for the installation of reject tissue roll cutter, conducted data analysis of the safety incidents and cost incurred for the last 5 years and presented the key findings to the senior management team at Irving Tissue.

**Data Analysis:** Analyzed 10 years of Hot work permit practices data and compiled it into a presentation in order to ensure continuous improvement.

**Failure Analysis:** Conducted NPSH calculation for detecting cavitation issue with pumps, selected and upgraded the pump to avoid pump failure in the future. Implemented and followed up the weekly and monthly preventative maintenance tasks.

**CAD Design (AUTOCAD):** Drew floor layout of the Tissue Machine 1 area using AutoCAD.

**Central/Design Engineering** (4-month internship) | Long Harbour, NL  
VALE CANADA



2018

**Piping & Instrumentation Diagram (P&ID):** Reviewed and updated Piping and Instrument Diagram (P&ID) in compliance with the latest change in the plant.

**CAD Design (MicroStation):** Enhanced designing skills by completing 1 week of MicroStation training and used the same software to propose the floor layout for the Trailer Relocation project.

**Nanotechnology Research** (4-month internship) | India  
UNIVERSITY OF PETROLEUM AND ENERGY STUDIES



2017

**Research Skills:** Performed extensive research on prevalent literature on Nano lubricants | Prepared and conducted experiments on nano lubricants and bio-lubricants and characterized them

**Technical Report Writing:** Conducted experiments independently regarding the rheological and tribological properties of nano lubricants and compiled the findings into technical research paper

**Manufacturing** (4-month internship) | Tottenham, ON  
F&P AUTO PARTS MANUFACTURER



2017

**Analytical Skills:** Monitored and analyzed the workflow of machines in various department i.e., stamping, welding, assembly and painting

**Quality Analysis:** Learnt and performed quality inspections on the auto-parts produced in a fast-paced environment and ensured proper functioning of welding and assembly machines.

**Teamwork & Leadership:** Taught new interns about mechanisms of different machines, safety precautions and workflow of machines in different department.

**Data Management Skills:** Developed comprehensive understanding of database management skills by maintaining inventories of the parts produced from the team lead of the inventory department.

## Other Experience

**Online Customer Service Representative** | Moncton, NB

ALORICA, CONCENTRIX- WORKING FOR BESTBUY



2020-2021

**Conflict Resolution:** Resolve customer's complaints while identifying problems and taking appropriate corrective action. Increases client retention ratio significantly in a fast-paced environment.

**Attention to Detail:** Research complex and challenging issues in depth and solve them before the client can contact again.

**Cashier** (part-time), Marie's Mini Mart & Dairy Queen | St. John's, NL



2015-2018

## Awards, Scholarships & Conferences

**EUROBRAKE Conference:** Selected as one of 50 students around the world to attend Euro Brake conference, one of the largest conferences in the world for automotive brake technology, in Hague, Netherlands (2018).

**FISITA Bursary Recipients:** One of 8 recipients from around the world for the FISITA Bursary, worth \$2500, for excellent contribution in automotive sector through international internship (2017).

**Scholarship:** Recipient of Memorial University Entrance Scholarship for \$3000 (2015).



Hobbies: Playing piano and guitar, reading books on philosophy, interested in new technologies