

**JAYMIN RATHOD**  
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**PROFILE:**

Extensive knowledge of manufacturing environment and automobile production, continuous improvement, work site safety protocols and optimizing productivity within budget constraints. One year of Experience in major Automobile Manufacturing Company and One year of experience in Canada's major food production firm. Successfully completed project on newly developed safety assessment method in Aerospace Industry Adequately organized and self- motivated and always ready to stretch an extra mile for extra gains Well combined skills of Mechanical and Industrial Engineering to tackle problems most efficiently

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**EDUCATIONAL QUALIFICATION:**

**Masters of Engineering: Industrial Engineering** **2017 - 19**  
Concordia University, Montreal, QC  
Cumulative Grade Point Average: 4.01 / 4.30

**Bachelors of Engineering: Mechanical Engineering** **2012 - 16**  
Mumbai University, Mumbai, MH  
Cumulative Grade Point Average: 8.10 / 10

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**PROFESSIONAL EXPERIENCE:**

**SITE SUPERVISOR** **July 19 - Present**  
At TEAM Industrial in FIAT Chrysler Brampton Assembly Plant, Brampton

**Ongoing roles in Automobile Manufacturing environment:**

- Responsible for maintaining the Body shop and Trim-Chassis-Finish line with safe and hygiene environment. Ensuring the facility is free from all kind of health and safety hazard.
- Conduct safety assessment on Vehicle Finish line at Radiator and gas fill station for Air quality, confined space hazards, slip-trip-fall hazard at all phased of work cycle based on WHMIS
- Conduct verification and approval for confined space work within safety standard for body wash pits cleaning. Review work instruction standards and use of material adhered to MSDS (Material safety data sheets)
- Conduct incident investigation and report to safety VP. Follow-up on DuPont Bradley curve
- Verification of safety lockout procedures of electrical and mechanical panels, use of proper PPE before starting maintenance work.

**GRADUATE APPRENTICE TRAINEE** **2016 - 17**  
At Mahindra & Mahindra Ltd, Automotive division, Mumbai

**Roles in Vehicle Product Unit:**

- Continuous Improvement to meet Tact Time by Waste Elimination, TPM in Vehicle line.
- Increased productivity at final inspection stage from 88% to 92%
- Explored and evaluated opportunities for cost cutting and reported senior manager for implementation; plant layout optimizing. Targeted bottleneck operations in single piece flow.
- Analyzed the defects, KPIs and undertook the projects to eliminate them from root cause.
- Data collection, compilation, SAP entries, monitoring and its analysis (MIS) of various concerns.

### **Roles in Body Product Unit:**

- Generated SOPs- Standard Operating Procedures for newly implemented process and changes, close co-ordination with suppliers for quality requirements.
- Improved quality with minimum expenditure and with same cycle time, Defect rate dropped from 18% to 6.5% - results obtained using intensive testing and confirmed with actual outgoing quality
- Product audit, Process Audit and implementation of correction action based on audit points
- Engineering drawing for newly components, read drawings used for Validation and verification of product with designed parameters.
- Responsible for Outgoing quality from the department. Implemented 5S in paint top coat line.

### **PRODUCTION SUPERVISOR**

**2018 - 2019**

At Tim Horton's, Place D'Armes, Montreal (1 year part-time)

- Responsible for fulfilling demand/orders on right time to achieve maximum customer satisfaction
- Productivity improvement by implementing strategies to reduce food wastage and increased availability by stringent WIP control and JIT production strategy. Maintained good work culture.
- Monitored inventory and biweekly procurement of material based on demand predictions
- Sales data analysis for promotional products and weekly, monthly profit - cost analysis
- Quality control by sampling intermediate and final product. Careful consideration of quality KPIs

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### **SKILLS:**

**Software Skills:** Arena Simulation (useful to simulate production lines and WIP), SolidWorks, ANSYS Workbench 15.0, AutoCAD, CPLEX, NX 6, Microsoft Office

**Programing Skills:** Arduino UNO, C++ basic

**Personal Skills:** Cogent, persistent in achieving goals, Team lead & Management, Flexibility in different types of work

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### **ACADEMIC PROJECTS:**

#### **STPA Application in Aerospace Industry**

**Jan - May 2019**

Introduced Systems Theoretic Process Approach (STPA) in Aerospace Industry with systematic comparison with currently in use practices namely ARP4754 and ARP 4761 (which relies widely on Fault trees and FMEAs); Applied systems theory + control theory to build a safety assessment method and used STPA to comply Airworthiness certification, design Verification and Validation.

#### **Design and Manufacturing of Mechanical Arm and Analysis on Ansys**

**2015 - 16**

Paper Published in IJSRD - *International Journal for Scientific Research & Development*/ Vol. 4, Issue 02, 2016 / ISSN (online): 2321-0613

Here we designed and analyzed the gesture copying robotic arm and analyzed the machine design in ANSYS (Team of 4 Members);

Skills used: Machine Design, Arduino, ANSYS, Team lead and Co-ordination.

#### **Design, analysis and manufacturing of FS Car;**

**2014 - 15**

Ethan Racing (Student Formula India), Mumbai: (Team of 21 Members)

Designed, Analyzed and manufactured a Formula- Student race Car for SAE Racing events

Skills Used: Machine design, SOLIDWORKS, ANSYS, Mechanical Vibrations, CNC machining, Team work

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### **ACADEMIC ACHIEVEMENTS:**

Concordia University chapter of the Golden Key International Honor Society for being in top 15% in the Faculty

University Topper in the subject- Heat Transfer

Certificate for Academic Excellence from ISHRAE (Indian Society of Heating and Refrigeration)

**EXTRA CURRICULAR ACTIVITIES:**

- Lead School-Coordinator and Instructor in AWIM (A World In Motion) National Olympics at Mahindra & Mahindra; [www.awimindia.org/](http://www.awimindia.org/), <https://www.sae.org/learn/education>
- Virtual Supra SAE-INDIA; Represent my College's first Student Formula1 car design and analysis report; <https://www.saeindia.org/news-events-2015/> Role as Technical Lead
- ANSYS certification course- Solve complex structural engineering problems and make better, faster design decisions using the finite element analysis (FEA) tools
- Making RoboCar for events in ORION @VCET, An annual intercollege Techfest in Mumbai

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**CAREER OBJECTIVE:** Seeking the role of a dedicated employee where I would be given an opportunity to utilize my all the skills, sense of responsibility and efficiency to grow and help the organization grow.

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