

# ANKIT KUMAR

## Mechanical Engineering with Management Sciences *University of Waterloo*

Apt. 1008, 75 E Liberty Street, Toronto, ON M6K 0A2

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-30- Forensic Engineering  
Toronto, ON

To the hiring committee,

Please accept my application for the Collision Reconstructionist (Junior Associate) Position. I am confident that my education and experience is well-suited for this position. Enclosed is my resume for your consideration.

My interest in this position stems from my passion for automobiles; I have had an interest in the automotive industry since childhood and have been continuously working towards improving my knowledge in some capacity or another. I'm always researching to gain a better understanding of my own vehicle and looking for opportunities to enhance its design and performance. I believe that this will put me in a unique position to think outside the box if given the opportunity to investigate and reverse engineer vehicle collisions. The prospect of combining one's personal interest with their professional life is a rare and intriguing opportunity for any individual.

Apart from learning the fundamentals of the automotive industry, I have developed my versatile attributes as well. At Mitchell Plastics, I had the opportunity to demonstrate my critical thinking and analytical skills by investigating interior component designs (concerns around fit and function) and presenting findings which included identification of root cause and recommending solutions to the customer. Having worked as a Program Manager has also enhanced my organizational and time management skills as well as my ability to self-manage tasks for various programs.

Additionally, having managed cross-functional teams for various programs, I understand the importance of being both a team player and a team leader. I have independently led various critical meetings with customers in Canada, US and Mexico, which not only advanced my presentation skills, but also my leadership skills. Also, I have worked with individuals from various backgrounds and cultures in different work environments which developed my interpersonal skills - I am just as comfortable talking to an operator in production as I am talking to an executive of a company.

I am enthusiastic about the possibility of joining -30- Forensic Engineering and am confident that my passion and dedication would allow me to excel in this position. I welcome the opportunity to an interview to review my candidacy at your convenience, and references can be provided upon request. I can be reached at 647-567-9476 or by email at a35kumar@gmail.com.

Looking forward to hearing from you.

Sincerely,

*Ankit Kumar*

Ankit Kumar

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### SKILLS SUMMARY

Effective project/team management skills demonstrated while managing personal and team productivity on various programs to ensure project were completed on time and within budget.

Outstanding leadership skills attained while hosting various meetings with customers as well as the internal cross-functional team to ensure up-to-date knowledge of the project status was being communicated and maintained.

Great interpersonal skills demonstrated while working with individuals from various backgrounds and cultures, and in multiple work environments (office, plant, lab etc.)

In possession a valid class G license and a vehicle

**Software** - AutoCAD, NX CAD, SOLIDWORKS, MS Office, MS Dynamics AX, MS Project, Abaqus FEA, Autodesk Moldflow Communicator and CRM.

**Relevant Courses** – Industrial Metallurgy, Dynamics of Machines, Mechanics of Deformable Solids, Introduction to Microprocessors and Digital Logic, Finite Element Methods, Digital Computation, Electromechanical Devices and Power Processing.

### EDUCATION

**Bachelor of Science, Honours (Mechanical Engineering—Management Science Option),  
University of Waterloo, Waterloo, Ontario, Sept 2009 - April 2014**

### WORK EXPERIENCE

**Project Manager**, Husky Injection Molding Systems Ltd., Bolton, ON  
Oct 2017 – Present

- Followed up on all open issues and managed communication flow between customer, sales organization, commercial management, engineering and operations for all Graham, Nestle, and Logoplaste projects as well as all Asia and European projects that were tested at the Bolton Facility.
- Hosted customer visits and coordinated order acceptance.
- Attended and facilitated kick-off, mold/system test and status meetings, ensuring that milestone commitments for the project are met.
- Assisted the start-up and sales teams with after sales follow-ups to ensure the customer's specifications are met.

**Program Manager**, Mitchell Plastics, Kitchener, ON  
Mar 2017 – Oct 2017

- Responsible for managing program's critical path for moulded and painted automotive interior assemblies from concept design to SOP for various OEMs (GM, Audi and Ford)
- Led customer and cross-functional team meetings to ensure launches are completed on time, within budget and all customer and internal open issues are resolved.
- Investigated various fit and function issues with customers and generated presentations highlighting the issue, identifying the root causes, and proposing design/process solution

**Project Engineer, Mitchell Plastics, Kitchener, ON**

Oct 2014 – Mar 2017

- Responsible for prototype/production customer builds and ensuring samples were delivered to customer on time with all required CMM layouts, appearance and lab data submissions.
- Reviewed check-fixture designs with customer and supplier using NX CAD and GD&T drawings and ensured the check fixtures were manufactured within the customer timeline for various programs.
- Responsible for validation testing for PPAP which includes reviewing OEM test spec with test labs, analyzing the test results and submitting the test result reports to the customer on time.
- Assisted program manager with reviewing tooling design and mold flow analysis during customer meetings to ensure tool and part design meets the customer requirements.

**Engineering Intern, Goderich-Exeter Railway Inc., Stratford, ON**

Sept 2013 – December 2013

- Reviewed various applications for wireline and pipeline crossing of railroad property and/or track.
- Performed several detailed safety assessments to evaluate the safety of a road/railway grade crossing

**Mechanical Engineering, Chemetics Inc. (a Jacobs Company), Pickering, ON**

Jan 2013 – April 2013

- Developed fabrication drawings of custom heat exchangers using AutoCAD.
- Prepared bill of material per fabrication drawings.

**Project Engineer, Interior Business Unit, ABC Groups Inc., Toronto, ON**

May 2012 – Aug 2012

- Analyzed Latch Substrate Assembly of GMX353 program by verifying measurements and functionality, identifying issues, and proposing a solution.
- Assisted in tool trials, part design reviews, tool design reviews and PPAP documentation.

**Process Engineer, Santa Maria Foods ULC, Toronto, ON**

Jan 2011 – April 2011, Sept 2011 – Dec 2011

- Responsible to lead frequent 'Kaizen' and 'Time and Motion Study' projects for the Brampton and Etobicoke plants.
- Conducted daily meetings and proposed various plans to increase the production efficiency of the stuffing department.
- Displayed strong analytical and problem solving skills by creating Excel sheet templates to track cost and efficiency of the entire plant.

**Industrial Analyst, Maruti Suzuki India Ltd, India**

May 2010 – Aug 2010

- Performed a 'Time and Motion Study' on the production line
- Proposed a plan to increase the efficiency of the production of the automobiles in the assembly shop by 5 percent.