

Objective

- Graduate student from The University of British Columbia, Kelowna, specializing in materials science and manufacturing processes. Seeking Engineering Job opportunities in Canada.

Education

- **M.A.Sc.**, Mechanical Engineering, The University of British Columbia (May, 2013 – September, 2015)
- **B.E.**, Manufacturing Engineering, College of Engineering, Anna University, India (August, 2008 – July, 2012)

Professional Work Experience

- **Research Assistant** – UBC (May, 2013 – August, 2015) – Assisted and worked on different on-going projects under the close supervision of Dr. Lukas Bichler.
- **Teaching Assistant** – UBC (September, 2013 – April, 2015) – Supervised laboratory session in manufacturing engineering courses, conducted tutorial sessions for students and was responsible for grading tests and assignments.
- **Laboratory Equipment Maintenance** – UBC (September, 2013 – August, 2015) – Responsible for safe and full operation of laboratory equipment for Spark Plasma Sintering experiments.
- **Research Fellow** – Indian Institute of Technology, Madras (August, 2012 – March, 2013) – Conducted studies on the Spark Plasma Sintering of different ceramic and metallic composites

Professional Experience

- **Basic Machining Operations** – UBC (May, 2013 – August, 2015) – As a Research Assistant at The University of British Columbia, performed many machining operations with lathe, milling machine, drilling machine along with basic welding operations
- **Metal Casting Operations** – UBC (May, 2013 – August, 2015) – Performed and assisted in numerous castings of Aluminum and Magnesium alloys.

Professional Training

- **Foundations of Project Management I (MITACS)** – UBC (November, 12 – 13, 2014)
- **Machine Shop Practicum and Safety Training** – UBC (August, 2013)
- **WHMIS Material Handling and Safety Training** – UBC (May, 2013)
- **Foundation of Teaching Credentials** – UBC (May, 2013)

Technical Skills

- **Languages** – C, C++
- **Platforms** – Windows, Microsoft Office (Word, PowerPoint, Excel)
- **Design** – Solid Works, CATIA

Work Experience

- **Kelowna Hyundai** (January, 6 – February, 23, 2016)
Parts Advisor and Sales Consultant – As a Parts Advisor, I was involved in billing of parts for repair orders, warranty parts scrapping, shipping and receiving of new inventory and organization of the automobile parts As a Sales Consultant, I was successful in achieving 3 deals on new and pre-used inventory within the first 3 weeks of the Job.
- **Tip Top Tailors, Kelowna** (November, 2015 – present)
Sales Associate - Assisted customers in selecting and trying different products as per their needs and budget while engaging in suggestive selling, resulting in completion of purchase. Multitasked on the floor while greeting and guiding customers through the different deals available in store.

Soft Skills

- Challenge-oriented with analytical and problem solving skills
- Excellent presentation, coordination and communication skills

Projects and Internships

- **The University of British Columbia, Kelowna, Canada** (September, 2015 – October, 2015)
Synthesis And Fabrication of Ceramic Powders for Different Industrial Applications – Prepared different ceramic powder (CeO₂, YSZ-Fe₂O₃, MWCNT-YSZ) composites by mechanical mixing and ball milling. Tailored the mixing procedure to ensure homogenous mixing of the dopants in the powder matrix. Fabricated high density compacts via Spark Plasma Sintering by altering the sintering parameters.
- **The University of British Columbia, Kelowna, Canada** (April, 2015 – August, 2015)
Mechanical Property Testing of As-Cast and As-Sintered Al and Mg Alloys – Performed Hardness and Charpy-Impact testing of as-cast and spark plasma sintered Al and Mg alloys. Further investigated the microstructure of the alloys to determine the factors affecting their performance.
- **The University of British Columbia, Kelowna, Canada** (April, 2013 – August, 2015)
Characterization of Ytria Stabilized Zirconia and Carbon Nanotube Doped - YSZ Ceramic Composites Fabricated by Spark Plasma Sintering (Thesis project) – Performed and designed experiments to determine the effect of different sintering parameters and CNTs on the mechanical and thermal properties of YSZ ceramic composites for thermal barrier coating applications.
- **Indian Institute of Technology, Madras, India** (August, 2012 – March, 2013)
Spark Plasma Sintering – Fabrication and Optimization of Process Parameters for different Ceramic Composites – Studied the basic working principal of a Spark Plasma Sintering and optimized the sintering parameters to yield high density ceramic composites.

- **College of Engineering, Anna University, Chennai, India** (January, 2012 – April, 2012)
Synthesis and Material Characteristics of Nano-Crystalline NiAl₁₀Al₂O₃ Alloy – Developed a Ni-Al intermetallic, alloyed by high energy ball milling by Spark Plasma Sintering and investigated the microstructure and mechanical properties of the alloy.
- **College of Engineering, Anna University, Chennai, India** (July, 2011 – December, 2011)
Design and Fabrication of Universal Fixture for Surface Roughness Tester – Worked as a part of a group and designed a universal fixture to mount irregularly shaped parts for contact type surface roughness measurements and fabricated the fixture as per the developed design.
- **Kangwon National University, Chuncheon, South Korea** (May, 2011 – June, 2011)
Formability Test on SGCD1 Steel – Assisted on performing shift cup test to determine the forming limit diagram of SGCD1 steel for explosive proof applications.
- **Chonnam National University, Gwang-ju, South Korea** (June 2010)
Design and Development of Excavator – Assisted in designing different parts of an excavator, performing part assembly using CATIA V5 design software.
- **Indian Institute of Technology, Kharagpur, India** (December, 2009 – January, 2010)
Failure Characteristics of Rock Specimens Subjected to Uni-Axial Compression Based on Their Signal Emission Level – Prepared rock samples as per the requirements of compression tests and embedded microphones, piezo sensors and EM coils on the samples. Performed uni-axial compression tests and analyzed the failure characteristics based on the signals from the sensors.

Publications and Conference presentations

- **Journal Publications** – Three papers published, two in progress
- **Conference Presentations** – Presented at four international conferences throughout North America.

Honors and Awards

- **Round One Winner – AUTO21 Poster Competition, Niagara Falls** (May 2014)
- **University of BC Okanagan Graduate Fellowship** – UBC (March 2014)
- **Special University of BC Okanagan Graduate Award** – UBC (Jan. 2014)
- **Best Project in the Field of Metrology** – Anna University (April 2012)

Organizational skills

- **College of Engineering, Anna University, India** (March, 2010) – *Manusys*, National Level Symposium for Manufacturing Engineers as an **Event Organizer**.

Extra-curricular activities

- **UBC, Kelowna** (March, 2014 – March, 2015) – Assisted Engineering Graduate Student Society conduct events by managing their logistics.
- **College of Engineering, Anna University** (February, 2012) – Delegated and co-ordinated crowd management activities at the cultural festival with total of 8000 participants.
- **Kendriya Vidyalaya, IIT KGP, India** (October, 2007) – National Basket Ball player
- **Kendriya Vidyalaya, IIT KGP, India** (February, 2006) – Budokan Karate Black Belt 1st dan.

References

1. **Dr. Lukas Bichler** – Associate Professor, The University of British Columbia, Okanagan
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2. **Tanner Caouette** – General Manager, Kelowna Hyundai
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3. **Sam Ghessesow** – General Sales Manager, Kelowna Hyundai
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4. **Chris Taylor** – Fixed Operations Manager, Kelowna Hyundai
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