

Aspiring Mechanical engineer with keen interest in product development and desire to grow with unstoppable urge to learn and reach my goals with more than 6 years of educational experience within Mechanical Engineer. A person with extensive interpersonal and communication skills bringing strong attention to details and always try to improve in terms of safety, quality, environmental protection, and production efficiency. To work in a firm with a professionally driven environment where I can utilize and apply my knowledge, skills which would enable me as a fresh graduate pursuing my masters to grow while fulfilling organizational goals and objectives. Recognized as a strong team player and a hard-worker.

SKILLS

Tools and Languages	SolidWorks, AutoCAD, Catia V5, IBM SPSS Statistics, MATLAB, Ansys, Microsoft Office, Solide Edge, SAP(Material Management).
Quantitative/Qualitative Research	Optical Microscope, SEM, EDS, Hardness measurement, Porosity measurement, Sample Preparation, Microscopic analysis, Fractography.
Communication	English (fluent) ,Kannada (native) ,Hindi (elementary)

TECHNICAL EXPERIENCE

Fatigue properties of Laser Powder Bed Fusion (LPBF) built 21-6-9 stainless steel. Jan2021 – Jun2021
Production Technology Center Trollhattan, Sweden

- To study the important mechanical property(Fatigue property) of 21-6-9 stainless steel, LPBF additive manufacturing built samples.
- 21 samples were built in horizontal and vertical orientation and low cycle fatigue test was conducted in room temperature and 750 degree Celsius, and stress relieved at 600 degree Celsius for 2 hours.
- Fractography and micro-structural characterisation was carried out. crack initiation, stress concentration due to cyclic loads and defects size were thoroughly studied.
- The defect position and the number of defects participating in crack initiation and some micro-structural characteristics affects the fatigue life.
- some post treatment like HIP process may help in increasing the fatigue life.

Creep Resistance of LPBF Built Alloy 718 Aug2020 – Dec2020
Production Technology Center Trollhattan, Sweden

- The aim is to investigate the creep properties of Alloy 718, built through laser powder bed fusion additive manufacturing technique.
- 12 samples were divided into 3 set of 4 each and different set of post treatment were conducted for each set of samples.
- Fractography, micro-structural analysis and carbides quantization was carried out.
- outcome of the investigation was variation of grain size with heat treatment and carbide content. Nb rich carbides were found in gamma matrix due to improper dissolution.

Design and Fabrication of Elbow Mechanized Transmission System. Dec2017 – Jun2018
Maharaja Institute of Technology Mysore, India

- This project aims at finding an alternative method for gear driven system, to over come the disadvantages like backlash effect and vibrations problems.
- After numerous trails and possible combinations, it was concluded that main application of this mechanism is between low to medium torque applications.
- Efficiency and capacity of the mechanism can be increased by usage of low friction materials and composite materials.

INTERNSHIP

Intern, Volvo group and Eicher motors joint venture Jan2017 – Jun2017
National Institute of Technology Mysore, India

- The internship was held at National Institute of Engineering, Mysuru, India.
- Worked with a team on Basics of Automobile technology on Commercial vehicles
- The most scientific way of repair, maintenance, and overhaul of commercial vehicles.
- Hands on experience of the Volvo truck engines.

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Intern, Indian Railway workshop

Feb2018 – May2018

Indian Railways

Mysore, India

- The Workshop was held at Central Workshops, South Western Railway, Mysuru, India.
- Worked in a team to observe and learn about maintenance and service process of Indian railways focusing on Spring systems associated with the damping of Indian railways and its working principle, Heat Treatment Process and Observing the Inventory.

EventsLamp, Event Management Organization

Jul2018 – Jul2019

EventsLamp Mysore

Mysore, India

- The work included variety of activities.
- starting from analysing the requirement of the client, gathering the required products from vendor, distributing the works with respect to time, managing the workers on the day of event, post-processing of the products to delivered after the Event.
- working here enhanced the leadership quality also work in pressure situations, helped me become a good team-player.

EDUCATION

Master's in Advanced Manufacturing Engineering,

University West, Sweden

2019 - 2021

Bachelor of Engineering in Mechanical Engineering,

Visvesvaraya Technological University, India

2014 - 2018

ACTIVITIES

- Photography
- Exercise
- Swimming
- Long Drives
- Adventure activities

VOLUNTEER EXPERIENCE

- Event Planner.
- Organised Blood Donation Camps.
- Supplemental Instructor.