

EDUCATION

TU Delft

Master of Science, Mechanical Engineering- Energy, Process and Flow Technology.

Aug 2021 - May 2023

Delft, The Netherlands

SRM Institute of Science and Technology, India

Bachelor of Technology, Mechanical Engineering, Percentage:84.88%

June 2015 - May 2019

India

EXPERIENCE

Bridgestone India Private limited| GMTP-trainee

July 2019- Sept 2020

Logistics and Supply Chain Management (Pune, India)

- Maintenance of minimal stock discrepancy and monthly stock report at CNFs across India
- Internal and external audit preparation, documentation of CNF manual

Plant Engineering Department (Indore, India)

- Improvement of dust collector design, updating of BOM, proposal of new conveyor design

Quality Assurance Department (Indore, India)

- Process failure mode and effect analysis for bias cutter

Technical Engineering Department (Indore, India)

- Proposal of a technical report involving details related to processes followed in the manufacturing of tyres

Commercial Sales Department(Delhi, India)

- Market research to enter a new segment of the market

Indian Railways| Intern

June 2018

- Minimizing lube oil consumption (Delhi, India)

Andritz Hydro| Intern

June 2017

- Lean manufacturing technique to enhance quality (Delhi, India)

PROJECTS

Study of effects of defects in non-carbonous nano-materials

- Copper-Tantalum alloy was studied using LAMMPS to understand its thermal behaviour with and without the creation of point defects at various concentrations and temperatures. [*MD simulation*]

BAJA SAEINDIA-2018

- Design and manufacturing were carried out for a vehicle suitable for off-road conditions.[*Solidworks*]

Vehicle theft security system

- A theoretical model was proposed to prevent vehicle theft using the concept of moisture sensors, micro-controllers and directional valves

Social robots

- Theoretical study on the employment of social robots in therapy sessions for autism spectrum disorder.

TECHNICAL SKILLS

Programming: Python, Matlab

Application Softwares: Solidworks, LAMMPS

Coursework: Physics, Advanced Fluid Dynamics, Advanced Heat Transfer, Advanced Applied Thermodynamics, Refrigeration And Heat pumps ,Non-Linear Mechanics, Viscous Flows, Turbulence.