

Education

- **University of Western Ontario** Ontario, Canada
Master of Engineering in Mechanical & Materials; 86% Sep. 2018 – Sep. 2019
 - **Courses taken** - Project Management, Product Design and Development, Biomedical Design, Automotive lightweight design, Finite element methods, Additive Manufacturing, Advanced material sciences, IPR for Engineers
 - **Presentations conducted** – 3D printing in space, Automotive light-weighting strategies, Design of Transcatheter Heart valve, Corrosion in firearms
 - **Case studies** – The Niagara Tunnel project, Vancouver's rapid transit rail line
- **MRCET affiliated to Jawaharlal Nehru Technological University** Hyderabad, India
Bachelor of Engineering in Mechanical; 77% Aug. 2013 – Jun. 2017

Experience

- **CleanMax** Bangalore, IN
Project Executive Jul. 2017 – Aug. 2018
 - **Project Management** - Worked as a Project Executive for India's largest renewable energy developer in the Commercial and Industrial sector. Handled numerous projects in Telangana under the supervision of State Manager.
 - **Megawatt scale solar projects** - Led teams in executing megawatt scale solar projects consisting of both land and roof mounted systems. Managed Vendors and responsible for daily on-site activities.
 - **Multi-project Environment** - Responsible for working on multiple projects at once in a highly dynamic and result – oriented environment. All projects were highly deadline driven and were carefully monitored to avoid any ambiguity.
 - **Customer-Centric Attitude** - Worked with clients such as L&T, United Breweries and Dr. Reddy's Laboratories. Held regular client meetings to meet weekly targets and always maintained a customer-centric attitude.
 - **Various Stakeholders** - Worked in conjunction with various stakeholders such as design, operations and business development teams during every stage of the project to ensure smooth running of the project.
- **Defense Research and Development Organization (DRDO)** Hyderabad, IN
Intern Dec. 2016 – Mar. 2017
 - Worked on the Non-Destructive testing of various cantilever beams using an electrodynamic vibrational shaker.
 - Responsible for producing designs and conducting simulations on a variety of different specimens.
 - Vibrational tests were then performed under the supervision of in-plant scientists and technicians.

Certifications and Skills

- **Certifications:** SOLIDWORKS Professional in design (ID: C-WJ3N5BGTFU), Associate in Simulation (ID: C-8ZKBCYMWPV)
- **CAD:** SOLIDWORKS, AutoCAD, Catia, Creo, Inventor, Google Sketchup, Fusion 360
- **Analysis:** Ansys, SW Simulation, Systems tool kit, PMBOK Methodologies, Python
- **Others:** SQL, Excel, C, SSRS, Microsoft Project, Photoshop, MS Office suite

Projects

- **Ground mounted fixed solar array:** Successfully led the installation and commissioning of two ground mounted solar systems totaling to a capacity of 1.4MW which comprises a total of 5200 Solar panels. This resulted in a significant decrease in client's energy bills as well as their dependency on conventional energy.
- **Adjustable Prosthetic leg prototype:** Solely created the designs from scratch for an adjustable prosthetic leg prototype during a University project. Contacted JaipurFoot, an NGO from India to better understand the market requirements and this resulted in a prototype which was lighter, sturdier and costed at around 1/4th of the initial budget.
- **SQL Filtering:** Worked on various small projects during my Masters where SQL was used to Insert, extract and filter data from databases. SSRS was used upto an extent to help make reports and visualize the data. One such project helped me learn data filtering on a huge database generated by a CAD software.
- **Productivity tracker:** Real time visualization of various tasks performed during a day by the user. Input is given through an Excel sheet and output is stored and shown in the form of graphs and pies.
- **Sprinkler system:** Worked on the execution of a sprinkler – based cleaning system for a parabolic rooftop. The system is still being used by Hyderabad Metro rail for the cleaning and maintenance of about 2,500 solar panels.
- **Personal interests:** Aerial photography enthusiast, run a travel blog and a YouTube channel with over a million views.