

## EDUCATION:

- **Michigan Technological University**
  - **Bachelor of Science in Mechanical Engineering (Senior)**
    - **GPA: 3.70**
  - **Minor in Mathematical Sciences**

## WORK EXPERIENCE:

- **Nostrum Energy, MI** **July '16**  
**Research and Development Engineer**
  - Tested flow rate of Nostrum injectors at pressure of 100 bar and also checked for manufacturing defects such as improper opening and closing nozzle and leakage.
  - Worked on circuitry and code using an Arduino for opening and closing injector nozzle at a maximum frequency of 0.001 Hz
  - Worked on hardware to test Pintle gap of injector and wrote standard operating procedure for operating said test
- **Michigan Technological University** **Aug '16 – April '17**  
**Grader for 3000-level Multivariable Calculus Course**
  - Grade approximately 60 quizzes each week and 2 mid-terms per semester
- **Michigan Technological University** **Aug '16**  
**– Dec '16**  
**Lab Assistant for 2000-level Mechanical Engineering Lab**
  - Assistant for tension tests, 3D Printing and lather for lab sessions comprising of 20 students
- **Michigan Technological University** **Aug '15 – April '17**  
**Writer for The Lode**
  - Write two articles per week related to international news for student newspaper
  - Won gift certificate for **best news writer for the month of January 2017**

## ENGINEERING PROJECT EXPERIENCE:

- **Glider Design, AERO Club, V.J.T.I., Mumbai, India** **June '15**
  - Used Profilli for choosing the right kind of airfoil
  - Designed geometry based on load and low wind speed and hot, humid conditions
- **Recumbent Bike for Adaptive Athletes** **Aug '15**
  - Used NX 10 for CAD Model
  - Researched Materials Required for Bike Frame
  - Wrote code to generate graphic user interface that recorded position, calculated distance covered and calories burned based on user input.
- **Robotics Systems Enterprise: Project Engineer** **Nov '16**
  - Continue development of a modular vehicle that could travel to the bottom of Torch Lake to take soil samples and do other forms of research
  - Helped create a prototype to fix electronic equipment more securely on the submersible
  - Continue work to develop a mechanical simulation model of the submersible

## ACADEMIC ACHIEVEMENTS:

- **Michigan Technological University**
  - Received Top Student Award for
    - Calculus Three with Technology (Multivariable Calculus)
    - Engineering Statistics
    - Elementary Differential Equation
  - **Dean's List** for Fall 2015, Spring 2016, Fall 2016
  - Currently auditing **MA 6600: Advanced Topics in Computational Mathematics** **Spring '17**
- **Grade 12 Percentile Score** (National Level Entrance Exam): 98.5
- **Grade 10 Percentage Score** (State Level Entrance Exam): 100

## ENTERPRISE/STUDENT CLUBS:

- **Michigan Technological University**
  - Tennis Club
  - Social Dancing Club
- **Copper County Runner's Club**

## OTHER SKILLS:

- **Computer Software-** UGNX, MATLAB, AMES im, MS Office, Mathematica, 3D Printing, HyperWorks, MotionView, JIRA

## SPORTS AND ATHLETICS:

- **Hancock Canal Run: 3<sup>rd</sup> Prize (17-19 yrs.)**
- **State Level Tennis Player (Under 17 yrs.), Maharashtra, India**
- **State Level Cross Country (Under 17 yrs.), Maharashtra, India**
- **Zonal Level Walk (Under 17 yrs.), Maharashtra, India**