**EDUCATION**

**COLORADO STATE UNIVERSITY Fort Collins, Colorado**

Bachelor of Science [Sept 2013- May 2017]

Major: Engineering Science. Concentration in Space Engineering [Engr GPA: 3.19/4.0]

Minor: Mathematics

**UNIVERSITY OF TORONTO Toronto, Canada**

Masters of Engineering [ Aug 2018- Present]

Department : Mechanical and Industrial Engineering [Engr GPA: TBD]

**EXPERIENCE**

**COLORADO STATE UNIVERSITY** [Aug 2016- May 2017]

**[TEAM MEMBER] [MOTOR ENGINEERING RESEARCH CENTER – Dr. Donald W. Radford]**

**Senior Engineering design project- BOEING- 3D printed Attenuator team**

* Designed and analyzed the dual gantry system on a 3D printer capable of printing PEEK thermoplastics.
* Responsible for creating the CAD model of the printer. Doing mechanical and heat analysis on the CAD.
* Machined custom aluminum components for a 3D printer using a CNC, vertical mills, horizontal band saw

## THE KING ABDULLAH UNIVERSITY OF SCIENCE AND TECHNOLOGY [July 2017 – Dec 2017]

**[INTERN][INTEGRATED NANOTECHNOLOGY LAB- Dr. Muhammad Mustafa Hussain]**

* In charge of designing and constructing a heart sleeve that would be capable of actuating heart muscles to help with ventricular blood circulation
* A soft robot was contructed that would actuate upton an electrical stimulus. The testing and configuration of this robot was done and a final report was presented to the university.

**COLORADO STATE UNIVERSITY**  [Jan 2016 – May 2016]

**[TEAM MEMBER] [MECHATRONICS LAB]**

* Constructed an Interactive Punching bag for the Mechatronics Project:
* In charge of electronic and mechanical integration of the project
* Experience with IR sensors, SD card and microcontroller programming and actuator integration.

# ASSETS & INTERESTS

Bangalore, IN

[Jan 2018-Aug 2018]

* Certification in [APTECH Learning]:
  + C/C++, Java
  + JSON, UI/UX, Adjile, JQuery, MySQL, Oracle
  + HTML, JavaScript, CSS
* Experience in Machining tools, linkage systems, electrical systems and mechatronic systems.
* Knowledge in Aerodynamic, space propulsion, mechatronics systems and Fluid systems
* Adobe Photoshop, Java, ANSYS programming analysis, CREO parametric modeling, SolidWorks CAD modeling, CNC and lathe machining, Microsoft word, Microsoft Excel and Microsoft PowerPoint
* Certified in lab safety training, hazardous waste disposal and first aid
* Languages:English, Hindi, Tamil.

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# EXTRACURRICULAR ACTIVITIES

Member, ISA (Indian Students Association): [Sept 2013 – May 2017]

* MC/ Event manager for India Nite 2013-2015
* Involved in the organization, coordination, and marketing for Indian Events (Diwali night, Holi, World Unity Fair and India Nite) around CSU.
* Taught fellow students dance routines that were presented on India Nite.

Volunteer, CSU Chemistry Club: [Sept 2013 – May 2017]

* Participated in setting up and conducting STEM projects and community outreach programs.

High school sports teams: [Sept 2010 – May 2012]

* Point guard, BasketBall.
* Defence, Soccer team.
* Volleyball.