

MRITYUNJAYA AADITYAA RAVICHANDRAN SAI

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EDUCATION

University of Hartford, College of Engineering, Technology and Architecture (CETA), West Hartford, Connecticut, USA.

Bachelor of Science in Mechanical Engineering

January 2022

GPA: 3.96/4.00

PSG Institute of Advanced Studies, Coimbatore, Tamilnadu India.

July 2020

Bachelor of Science in Mechanical Engineering

GPA: 3.60/4.00

SKILLS

Technical Skills: SOLIDWORKS, Creo, AutoCAD, Fusion 360, LABVIEW, MATLAB, COMSOL, Minitab, Excel, PowerPoint.

Soft Skills: Communications, Leadership, Collaboration, Active Listening, Strong Work Ethics.

EXPERIENCE

ITS Support Representative, University of Hartford, CT

August 2021 – December 2021

- Helping and Guiding students at the library with the computers and printers.

Class Representative, PSG Institute of Advanced Studies

January 2019 – June 2020

- Represented a class of 60 students to co-ordinate with professors and the management.
- Took forward the problems of students to the respective people to bring to a solution.

Internship Training, Sanoh India Private Limited

January 2019 – 1 week Training

- Learned about the management in production line and quality management of the product in the industry.

In-Plant Trainee, Anandha Fabrications Private Limited

July 2018 – 2 Weeks Training

- Gained an educational knowledge about CNC machines, Vertical Turret, and Gas Welding.

PROJECT EXPERIENCE

Low-Cost Water Purification System for Rural Area, Capstone Project | University of Hartford, CT February 2021 – December 2021

- Developed a prototype of a scaled-up version of SolarBag to satisfy a group of rural area people where they can affordably purify water.
- Designed a stand using SOLIDWORKS for the bag to get optimal sun radiations on it.

Quarter Car Suspension System Simulation on LABVIEW | University of Hartford, CT

March 2021 – May 2021

- Collaborated in a team of three to study the passive and active suspension system through simulation done in LABVIEW.
- Additionally, designed a mass spring system in “SOLIDWORKS” and applied it in NI softmotion for motion study.

Quality Tools/Product Design Project | University of Hartford, CT

March 2021 – May 2021

- Collaborated in a team of three developed a conceptualized improved design for a Tri-roller with the help of House of quality table, Minitab, and other quality tools.

Mini Project Based on Boothroyd Dewhurst Method | PSG Institute of Advanced Studies, India

May 2020 – June 2020

- In association with three members, designed a new conceptualized model of skating board using Creo Parametric to reduce the assembly time of it based on Boothroyd Dewhurst method.

Mini Project Based on GD&T Method | PSG Institute of Advanced Studies, India

May 2020 – June 2020

- Designed a 2-D and 3-D functional gauge using Creo Parametric for the car rim’s bolt and nut using the concepts of GD&T method.

Real Time On-Grid Solar Inverter-Less Device for Appliances | PSG Institute of Advanced Studies, India

June 2019 – December 2019

- Designed a prototype to utilize solar energy directly from the solar panel for household appliances without an inverter.

LEADERSHIP EXPERIENCE

NEBULA | PSG Institute of Advanced Studies, India

August 2018 – January 2020

- Executive Board member for “Nebula” a Techno-Culture event conducted where organized and supported various events.
- Especially, being a photography club president, myself and my teammates conducted various events in the college.

ACHIEVEMENTS

- Hawk’s Scholarship awardee 2020 with a grant of \$21,000.
- Awardee of CETA Dean’s list for Spring 2021.
- A Proud elected member of Tau Beta Pi, Gamma of Connecticut Chapter through my excellent grades and exemplary character.

SOCIAL ACTIVITIES

- Voluntary work in serving food for homeless people at Sri Sathya Sai Seva Organization (SSSSO), Coimbatore, India.
- Volunteered in guiding the children for a field trip at SSSSO, Coimbatore, India.
- Voluntary in-service work for guiding the elderly people for 1 week at SSSSO, Puttaparthi, India.
- Trained and served in National Cadets Corps (NCC), a youth wing of Indian army while studying in school.