

JASON RONALDO MERLIN SAHAYARAYAN

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ACADEMIC QUALIFICATION

Master of Engineering (MEng)

Mechanical Engineering; University of Windsor (U of W), Windsor, ON.

Completed in September 2021. **CGPA:** 89%

Courses: Technical Communication: Research, Document Writing; Product Business and Product Integration, Project Management. Robotics Programming.

Bachelor of Engineering (B.E.)

Mechanical Engineering: Panimalar Engineering College (PEC), affiliated with Anna University, Chennai. Completed in 2019. **CGPA:** 7.98/10

Courses: CAD, Design and fabrication project, design research, BOM, GDNT; Design of Machine Elements; Lean Manufacturing - Quality Stds.

SUMMARY

Driven individual with a [Master's in Mechanical Engg.](#) seeking real-world experience as a [Mechanical Engineer/Technologist](#). Offers strong interpersonal and task prioritization skills, time management & teamwork.

TECHNICAL SKILLS

- MS-Office Tools
 - AutoCAD (PEC)
 - Creo Parametric (PEC)
 - Siemens Tecnomatix Process Simulate (U of W)
 - **CATIA V5** (CADD Centre, Chennai, and U of W)
 - **SOLIDWORKS** (CADD Centre, Chennai)
 - MATLAB and Simulink (U of W)
 - ANSYS (CADD Centre, Chennai)
 - 3D printing (CADD Centre, Chennai)
 - **Programming Language:** Python, Arduino.
- Workshop attended:** IoT(3 days), Python(10 days), NDT & NVH (3days).
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RELEVANT EXPERIENCE

Legacy Personnel, Windsor, [Quality Inspection](#), November 2020 – June 2021

- o Worked part-time for legacy personnel and visited many client industries including Exkor, Magna IWS, Schukra, A.P Plasman, JD Norman, for quality inspection of automobile parts.

Cadd Centre, Chennai, [Product Design and Analysis](#), April 2019 – January 2020

- o Trained and worked on projects that required 2D Design and 3D modelling, including design, simulation, and analysis of multi-material parts and assemblies in Solidworks, Catia V5 or Ansys.

Freelance, [Product Design](#), Chennai, April 2019 – April 2021

- o A variable range of designs for clients, and 3D printing.
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ACADEMIC PROJECTS

[Panimalar Engineering College:](#)

Characterization Analysis of Graphene Reinforced Jute Fibre Composites, January–March 2019. 4-member team.

Design and Fabrication of Scotch Yoke Water Pump, January–March 2018. 4-member team.

[University of Windsor:](#)

Team white paper report on Bio Toilets and an Individual report on its Business Feasibility, May-Aug. 20'. 4-member team.

CAD modelling, assembly and basic analysis of a V6 Engine using CATIA v5, January-April 2021. 5-member team.

Detachable Head Toothbrush – Product, Manufacturing and Business Integration Project, May-Aug. 21', 5-member team.

Simulation of a 6Robot work cell using Process Simulate, May-August 2021, Individual.

JOURNAL PUBLISHED

Characterization Analysis of Graphene Reinforced Jute Fibre Composites, IRJET Volume - 06, Issue - 04 | April 2019

IN-PLANT TRAINING ATTENDED

TAFE Ltd., Chennai, June 11-20, 2018

Different shop floor processes and interdepartmental processes.

Uniq Technologies, Chennai, December 04-09, 2017

Arduino programming for different tasks.

AWARDS & ACHIEVEMENTS

Presented a poster titled, 'Automation of Welding Using Cascading Control' and secured the Second Place in Poster Presentation competition as part of a 1-day Programme on Fluid Power and its Applications held at PEC Chennai; 1st Place in IoT workshop-cum-competition.
