**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 August 2021. **CGPA**: 89%

**Bachelor of Engineering (B.E.)**

Mechanical Engineering: Panimalar Engineering College (PEC), affiliated to Anna University, Chennai.

Completed in 2019**. CGPA**: 7.98/10

# SUMMARY

Driven individual with a Master’s in Mechanical Engineering seeking real-world experience as Mechanical Product Design Engineer. Offers strong interpersonal and task prioritization skills.

# 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)
* MATLAB and Simulink (U of W)
* SOLIDWORKS (CADD centre, Chennai)
* ANSYS (CADD centre, Chennai)
* 3D printing (CADD centre, Chennai)
* **Programming Language:** Python, Arduino.

# RELEVANT EXPERIENCE and INTERNSHIP

**Legacy Personnel, Windsor, Quality Inspection, November 2020 – June 2021**

* 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**

* Trained and worked on projects that required 2D Design and 3D modelling, including design, simulation, and analysis in Solidworks, Catia V5 or Ansys.

**Freelance, Product Design, Chennai, April 2019 – April 2020**

# 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.

# WORKSHOPS ATTENDED

**NDT and NVH (3 days),** December 2018.

**Internet of Things (IoT) (3 days)**, June 2018

**Python Language (10 days)**, May 2018

# IN-PLANT TRAININGS ATTENDED

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

Different shop floor processes including manufacturing and inspection.

**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 a 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.