

# RAGHUL SHANMUGA SUNDARAM

Email: rxs5339@mavs.uta.edu | Ph: +1 (682)-373-0517 | linkedin.com/in/raghul-shans

## EDUCATION

**University of Texas, Arlington, TX**  
*Master of Science, Industrial/ Engineering Management*

Expected Graduation May 2024

**SASTRA Deemed to be University, Thanjavur, India**  
*Bachelor of Technology, Mechanical Engineering*

2016 – 2020

## PROFESSIONAL EXPERIENCE

**Amazon Development Center Pvt. Ltd, Chennai, India**  
*Catalog Associate, Catalog Support & Ops Var*

April 2022 – June 2022

- Managed manual correction process at Amazon, reducing catalog defects by 18% through detailed analysis and correction in Catalog Support & Ops Var.
  - Coordinated CPD Screening, Correction, WTS, and Model training, enhancing overall catalog accuracy and efficiency.
  - Performed quality checks in the Walk the Store task, establishing standard procedures as a pilot batch member.
- Developed proficiency in Iridium, CSI Time Machine, RAI Tools, Darwin, and Vermont Evaluation Administration.

**Cheran Agro Tech, Coimbatore, India**  
*Industrial Engineer.*

April 2021 – April 2022

- Enhanced assembly line efficiency by **9%** through the implementation of Lean Manufacturing principles, reducing production time for water pumps.
- Conducted Six Sigma methodologies, resulting in a **15%** decrease in defects within the manufacturing process, improving overall product quality.
- Utilized **AutoCAD** and **Solidworks** to optimize product designs, leading to a **17.3%** reduction in material waste and lowering production costs.
- Spearheaded a continuous improvement Process, resulting in an improvement in workflow efficiency and a corresponding increase in output.
- Implemented **5S** methodology, organizing the workspace and reducing setup times contributing to a more streamlined and productive manufacturing environment.
- Conducted **FMEA** analysis, identifying and mitigating potential risks in the water pump manufacturing process, ensuring a robust and reliable production system.

**BYJU's, Bangalore, India**

September 2020 – April 2021

*Business Development Associate/*

- Mentored and trained 10+ new team members on proven business development strategies, boosting their sales performance by **8%** in the first quarter.
- Implemented CRM systems and data analytics tools, resulting in an **11.6%** increase in sales progress visibility and enabling the assessment of sales strategies' effectiveness with a precision rate of **95%**.

**Industrial visit to Shanmuga Precision Forgings Pvt. Ltd., Thanjavur India**

July 2018 – April 2019

*As a part of the Bachelors(undergraduate) curriculum*

- Acquired a comprehensive understanding of departmental functions, including Testing, QA and QC, Production, Design, Product Treatment, and Inventory (stores)
- Assisted in the project engineering of new screw designs, resulting in a **13%** increase in product efficiency.

## ACADEMIC PROJECTS

**Development of SysML diagrams for a phone company.**

July 2022 – December 2022

The project involves a comprehensive analysis of Systems-of-Systems with a focus on developing SysML diagrams for a phone company, encompassing various aspects of system architecture and design.

**Baseline Project: Designing a Novel Laptop with Strategic Problem Solving.**

June 2023 – December 2023

Championing a 12-member student team, I led an academic project developing a proposal for an innovative laptop design. I orchestrated a comprehensive proposal, highlighting inventive problem-solving and addressing key factors such as POS, ROS, NPV.

## TECHNICAL SKILLS

**Proficiency and Software Package:** 3D Modelling in SolidWorks, Creo, and PRO-E; 2D Sketching in AUTOCAD; Simulation in Ansys and ADAMS; MS Office.

**Tools and Technologies:** Gained insight on 5S, APQP, PPAP, FMEA, DFMEA, DMAIC, SPC, TQM, Root Cause Analysis, CAPA, CAR, 5WHY'S, Kanban. Supply Chain Management, Lean Manufacturing, Kaizen, VMS, Root Cause Analysis, Time and Motion Studies.

## CERTIFICATION

CERTIFIED SIX SIGMA GREEN BELT (CSSGB)

CERTIFIED SOLIDWORKS ASSOCIATE (CSWA-MECHANICAL DESIGN)

CERTIFIED SOLIDWORKS ASSOCIATE (CSWA-ADDITIVE MANUFACTURING)

SUPPLY CHAIN LOGISTICS & OPERATIONS-RUTGERS UNIVERSITY (ONLINE)