**Gowtham V**

Farmington Hills, MI **AUTHORIZED TO WORK ANYWHERE IN USA (PERMANENT RESIDENT)**

Email: 345gowtham@gmail.com | Phone: 248-910-6430

**PROFESSIONAL EXPERIENCE**

**EOTECH(FORMELY UNDER L3 HARRIS TECHNOLOGIES) , ANN ARBOR , MI (Aug 2020-present)**

**Quality Engineer for Holographic weapon sights**

**•**Prepare Internal quality control documentation, Submit weekly reports to the Quality engineering Manager

**•** Participate in GAGE R&R , vendor audits and production line audits and gather data for analysis

**•** Utilize Six Sigma & SPC data to calculate supplier capability of Raw Materials

• Provide technical support between Production and Engineering for the continuous improvement of quality

• Test the Incoming parts & electronics for quality defects

• Assist Quality and Production engineers in devising new /revised gaging methods and GD&T.

• Identify the root cause of failures for some samples produced on our line.

• Performed CMM analysis of returned customer parts and use findings to drive Corrective and Preventative Action (CAPA) improvements.

**ASPARA’S WORLD, WARREN MI** **(March 2019-August2019)**

**Manufacturer of auto components**

**Production Intern**

Improved process efficiency for gear manufacturing process, by using LINE BALANCING and process audits

• Analyzed and resolved issues related to the CNC production line

• Analyzed problems process constraints and conducted equipment cycle time analysis

• Established operational methods & work standards for the CNC operators

• Achieved improved process efficiency for cluster gear manufacturing process from 6.12% to 9.75%

**Metawing Technologies**  (JANUARY 2014-AUGUST 2014)

**Automotive Intern**

• Conceptualized designs of axle bearings in a team using AUTOCAD and prototyped parts in manufacturing facility

• Assisted plant manager for monitoring and controlling he production of the bearings using CNC

Implemented the principles of 5S and Poka Yoke which reduced machine downtime and bottlenecks by 9% and optimized efficiency

• Helped Revitalize culture to adopt lean manufacturing methodology to improve on-time delivery by 5%

• Measured and inspected quality requirements of all parts produced to ensure conformance to designs as determined

• Documented Standard Operating Procedures for the assembly process of new product line assembly

**EDUCATION & TRAINING**

**Bachelor’s in mechanical engineering GPA 3.5/4 (August 2013-17)**

**Minor in Electrical and electronics Engineering**

**Master’s Degree in Industrial and Systems Engineering (pending)**

**Minor in Computer Science GPA 3.3/4 (Aug2018-Present)** Wayne State University (WSU) • Detroit, MI

**Technical Projects**

* EXTRACTION AND ANALYSIS OF

CAR DRIVING DATA VIA OBD-II-Designed an ultra low cost **Miniature Vertical Axis Wind turbine** in 60 days as a part of my undergraduate degree project. Placed it near the road and used it to charge the battery powering a 60W bulb using wind generated by the vehicles passing by. I made this using the principles of fluid flow.

* **Numerical and Experimental Analysis of Various Fluid flow Visualization in Heat Exchange**r

**Technical and Project Management Tool Proficiencies**

Microsoft office suite |Microsoft Excel |Python|GSPAS | Kanban| PDCA| 5s| SPC| Six Sigma| DMAIC| Value Engineering| APQP| FMEA| Electrical/Electronics Basics| Root Cause Analysis| ISO 9001:2015| MRP| GD&T| PPAP| MINITAB |

Solidworks| AutoCAD | INCA| Simulation | Operations Research| Thermodynamics

Matlab | SAP | CMM

*Certifications: SIX SIGMA GREEN BELT ( THE PROJECT MANAGEMENT INSTITUTE),*

 *A3 problem solving for continuous improvement, AUTOCAD essential training, Python Essential Training,*