

# Arjun Prasad

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## EDUCATION

**Master of Science, Industrial Engineering**  
University of Texas at Arlington, TX, USA

August 2022 - May 2025  
GPA: **3.6/4**

**Bachelor of Engineering, Mechanical Engineering**  
K.S Institute of Technology, Bangalore, India

July 2017 - August 2021  
GPA: **3.4/4**

## PROFESSIONAL EXPERIENCE

### Engineering Intern

May 2023 - August 2023

Tesla, Grand Rapids, MI

- Interned with the Automation Development and Tool Engineering team, focusing on process optimization and efficiency improvements.
- Streamlined cross-functional supply chain workflows, achieving 80% reduction in average project completion time through reverse engineering.
- Applied FMEA and root cause analysis to identify bottlenecks in tooling and material handling processes, improving reliability and reducing downtime.
- Developed intricate designs for production station components, specifically focusing on dies and idle tables through proficient use of Catia V5 CAD software.
- Established consistent channels of communication with supervisors and team members, delivering detailed weekly updates on project milestones, challenges encountered, and strategic adjustments enhancing overall workflow efficiency across engineering teams.

### Research Assistant

January 2023 – May 2023

University of Texas at Arlington Research Institute, Fort Worth, TX

- Developed detailed 3D models for the smart wheelchair cushion, utilizing SolidWorks to streamline product design processes.
- Simulated product performance in Ansys and optimized the smart cushion design through design iterations, increasing testing success rates by 30%.
- Coordinated closely with manufacturing team to streamline the molding process for seat cushion cell production.

### Application Engineer

August 2021 – August 2022

Carl Zeiss India Pvt Ltd, Bangalore, India

- Technical Specialist in reverse engineering applications within the Industrial Quality Solutions department.
- Executed a portfolio of over 20 diverse reverse engineering tasks during employment with Carl Zeiss aligning output with customer demand in SAP ERP
- Presented in-depth pre-sales demos for Zeiss Reverse Engineering software, directly engaging with more than 30 prospective customers.
- Enhanced technical proficiency by providing comprehensive training in Zeiss Reverse Engineering software to customers and new employees.
- Interfaced with production and 3D scanner teams to minimize variation and improve inspection reliability.
- Conducted regular reviews with clients, ensuring 100% alignment with customer demand in SAP ERP.

## TECHNICAL SKILLS

- **Process Optimization:** Lean Six Sigma Green Belt, Kaizen, Kanban, 5S, Process Mapping, Value Stream Mapping, Inventory Optimization, ERP (SAP)
- **Manufacturing & Quality Tools:** FMEA, Root Cause Analysis, Total Quality Management, GD&T, Zeiss Inspect, Zeiss 3D Scanners, Reverse Engineering
- **Design Software:** SolidWorks, Catia V5, Autodesk Fusion 360, Ansys Workbench, AutoCAD, Zeiss Reverse Engineering Software.
- **Data & Analytics:** Microsoft Power BI, Excel (Advanced), Statistical Analysis, Hypothesis Testing (ANOVA), Optimization Modeling

## CERTIFICATIONS

- Lean Six Sigma Green Belt  
**Certification Number: jVSC7p5awP**
- Manufacturing Certificate- University of Texas at Arlington
- Decision Analytics Certificate- University of Texas at Arlington
- Data Analytics Course using Power BI  
**Certification Number: DDB24020**
- AUKOM Level GD&T Training Series
- Autodesk CAD/CAM/CAE for Mechanical Engineering