

TEJAS BASAVARAJU SHASHIKALA

Home phone: +370 60945456 | Email address: tejaspruthvi21@gmail.com | LinkedIn: www.linkedin.com/in/tejas-bs | WhatsApp Messenger: +370 60945456 | Home address: Saulėtekio al. 11, Vilnius, 10225, Vilnius (Lithuania)

Skills

- Solid works
- ANYSIS Workbench
- AutoCAD 2D -3D
- Fusion-360
- SAP MM
- computer graphics
- SAP Data Services
- MATLAB/Simulink
- KAIZEN
- Q-DAS
- six sigma methods
- Power BI
- PPAP
- PFMEA
- manufacturing processes
- Microsoft Office
- Team-work oriented
- Good intercultural communication
- Completed Certificate course on Front Office Associate under (NSDC)

Language Skills

- **Kannada:** Mother tongue
- **English**
  - Listening: C1
  - Reading: C1
  - Spoken interaction: C1
- **Hindi**
  - Listening: B2
  - Reading: A2
  - Spoken interaction: B2
- **German**
  - Listening: A1

About me

Mechanical Engineer currently pursuing a master's in automotive engineering and management, backed by a strong technical foundation in Tool and Die Making. Brings proven industry experience across global procurement, product development, and manufacturing engineering at Bosch, Kennametal, and Toyota Kirloskar Motors. Adept at combining CAD/CAE design and simulation tools (SolidWorks, Fusion 360, ANSYS, Abaqus) with quality and operational frameworks (PPAP, PFMEA, Six Sigma, Kaizen, SAP MM, Power BI) to optimize manufacturability and process reliability. Recognized with Kennametal's 2025 Star Performer Award and a 94% shop-floor defect reduction at Toyota, demonstrating a consistent track record of delivering measurable engineering impact in international environments.

Work experience

Quality and Purchase

05/09/2025 – 10/08/2026

Bosch Global | Bangalore, India

1. Developed and maintained project performance dashboards and reports using Power BI for strategic projects including Porsche, eATS, and Daimler, enabling data-driven decision-making and enhanced project visibility for global stakeholders.
2. Supported procurement and supplier quality management activities across Germany, North America, and China by coordinating with international teams and ensuring compliance with Bosch standards.
3. Created and managed supplier containers within the IQS (Integrated Quality System) platform, ensuring accurate documentation, traceability, and adherence to quality management requirements.
4. Prepared, reviewed, and uploaded supplier documentation including Sampling Agreements, ICLS, and MOCS records to support supplier qualification and quality assurance processes.
5. Conducted Technical Supplier Discussions (TSDs) to assess supplier manufacturing capabilities, production readiness, technical feasibility, and compliance with Bosch quality standards.
6. Evaluated and reviewed PPAP (Production Part Approval Process) documentation submitted by suppliers to verify conformity with customer specifications, manufacturing processes, and quality requirements.
7. Analysed PFMEA (Process Failure Mode and Effects Analysis) documents to identify potential process risks, assess mitigation strategies, and improve process reliability.
8. Collaborated with suppliers and cross-functional teams including quality, purchasing, and engineering departments to resolve quality issues, documentation gaps, and supplier development requirements.
9. Supported supplier qualification, procurement operations, and quality assurance activities by ensuring adherence to Bosch standards, customer-specific requirements, and global manufacturing best practices.

- Reading: A1
- Spoken interaction: A1

- **Lithuanian**
  - Listening: A1
  - Reading: A1
  - Spoken interaction: A1

Global Pricing Specialist

29/07/2024 – 28/07/2025

Kennametal Global Private Limited | Bangalore, India

1. Designed products with a strong focus on manufacturability, ensuring designs are feasible, cost-effective, and efficient for production.
2. Evaluated and optimized product value by balancing functionality, performance, and cost justification.
3. Collaborated with cross functional teams, including design, production, and quality to align design intent with manufacturing capability.
4. Applied machine knowledge and process understanding to assess feasibility, tooling requirements, and setup times for product manufacturing.
5. Conducted Design for Manufacturability and Design for Assembly reviews to reduce complexity and production cost.
6. Participated in product cost analysis, lifecycle assessment, and ROI evaluations to ensure economic viability.
7. Reviewed and interpreted machine constraints and shop floor data to identify improvement opportunities in design and process.
8. Coordinated with procurement and suppliers to ensure material selection aligned with performance, cost, and availability.

Project Engineer Intern

03/01/2024 – 03/05/2024

Toyota Kirloskar Motors Private Limited | Bangalore, India

1. Worked in the Paint Booth Department for 5 months, focusing on process improvement and automation support.
2. Designed and developed a custom car door holding jig used during the painting process inside the booth.
3. Conducted requirement analysis and collaborated with cross-functional teams to understand ergonomic and robotic constraints during door painting.
4. Created CAD models and technical drawings of the holding jig using SolidWorks.
5. Conducted trials and validation tests of the jig on the shop floor with both manual painters and robotic painting arms.
6. The jig successfully addressed 94% of previously reported issues during the painting and inspection phases, including misalignment, uneven coating, and manual handling errors.
7. Improved painting consistency, reduced paint defects, and enhanced worker safety through improved fixture ergonomics. 8. Prepared and presented project reports and effectiveness evaluations to senior engineering and production leadership.
9. Contributed to Toyota's Kaizen and lean manufacturing principles by eliminating non-value-added activities.

Material Stress Analyst Intern

16/05/2023 – 15/06/2023

Ambasy Contractors Private Limited | Delhi , India

1. Performed FEA simulations (ANSYS, Abaqus) on bridge steel components under static and dynamic loads to identify failure points and optimize load-bearing durability with civil teams.
2. Authored technical certification reports featuring stress distribution plots, strain-energy graphs, and safety factor evaluations in compliance with structural codes.

Design Engineer
30/05/2022 – 25/06/2022

Ambasy Contractors Private Limited | Delhi , India

1. Designed 3D CAD models and fabrication drawings for industrial steel casings, beams, and frameworks using SolidWorks and Fusion 360.
2. Validated structural durability and load performance through Finite Element Analysis (FEA) in ANSYS and Abaqus to optimize material costs.
3. Prepared calculation reports, material specifications, and technical documentation with site engineers in full compliance with safety codes.

Education & Training

Masters in Automotive Engineering and Management
01/09/2026 - Current

Vilnius Gediminas Technical University | Vilnius, Lithuania

Level in EQF: 8

Bachelor of Technology in Mechanical Engineering
04/11/2021 - 28/06/2024

Christ University | Bangalore, India

| **Final grade:** 8.97/10 | **Level in EQF:** 6 | **Thesis:** Extraction of Biofuel from waste Chicken Skin

Diploma in Tool and Die Making
15/12/2018 - 03/06/2021

Nettur Technical Training Foundation | Bangalore, India

Field(s) of study: Diploma in Mechanical Engineering | **Final grade:** 8.34/10 | **Level in EQF:** 6

Projects

Extraction of Biofuel from waste Chicken Skin
15/11/2022 - 14/09/2023

- Best State Project of the Year Award.
- Extracted biofuel from chicken skin waste for automotive applications under the Swachh Bharat Mission.

Range Extended Electric Vehicle (REEV)
10/02/2022 - 28/10/2022

- 1st Runner-Up
- Hybrid vehicle building and testing competition focusing on braking and efficiency.

Waste to Electricity (Converting Waste into Renewable Energy: Creative Approaches to Power Generation)
28/12/2022 - 26/01/2023

Created a method using energy conversion technology to produce electricity from a variety of trash sources.

Rescue Buoy
07/01/2022 - 25/02/2022

- Third place in the 2022 ICETECH competition
- Created a life-saving RC buoy to help in drowning situations close to bodies of water.

3D Printed Radial Car Engine
02/02/2024 - 28/02/2024

We used Creality 3D printing technology to create a tiny radial engine.

Certifications

Star Performer Award of the year 2025 – Kennametal
05/03/2025

Kennametal Global

For Clearing 99% of sales engineer quotations in less than 2 days.

Best State Project of The Year
17/08/2023

Government of Karnataka

Secured this award for the project (Extraction of Biofuel from waste Chicken Skin)

National Skill Development
04/03/2021

National Skill Development Competition

Cleared 5 levels of Machine knowledge and handling at the National Skill Development Competition (NSDC).

Participation in World Skill Competition
18/09/2020

World Skills

Represented my college in World Skills Competition