# Navya Sri Konkala

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## Professional Summary:


Detail-oriented Mechanical Engineer with 2 years of experience in quality engineering, process optimization, and energy management. Skilled in continuous improvement, auditing, and project management to enhance production efficiency. Proficient in 3D modelling and experienced in utilizing core quality tools to support robust quality assurance systems.


## Professional Experience:

**Mechanical Engineer – Trainee** **July 2025 - Present**
**Granules Consumer Health**

- Manage RX and serialization processes for pharmaceutical products, ensuring compliance with regulatory and quality standards.
- Operate, troubleshoot, and perform preventive maintenance on high-speed packaging and production equipment to minimize downtime and maintain efficiency.
- Trained and proficient in SAP for managing product transactions, material returns, and inventory tracking.

**Quality Engineering Co-op** **Dec'2024 -April 2025**
**Bendix Commercial Vehicle Systems**

- Collaborated with Central Manufacturing and Wheel End Quality teams to enhance quality systems, ensure compliance with industry standards, and address customer-specific requirements.
- Trained in and actively applied 8D, FMEA, PPAP, APQP, and Lean Six Sigma methodologies in current quality engineering tasks at Bendix to support process improvement initiatives
- Participated in IATF 16949 audit, ensuring adherence to quality management systems.
- Developed CAD models for an Air Disc Brake prototype project using Creo and performed Gauge R&R studies to ensure measurement system accuracy.
- Conducted X-ray inspection and functional testing on M50 modulators to detect defects and validate performance.
- Proficient in CVS PLM, First Spirit, and PRISM for managing product lifecycle data, documentation, and quality reports while supporting 8D problem-solving.

**Assistant Manager** **June 2022 – July 2023**
**JSW STEEL**

- Supervised day-to-day operations to meet performance, quality and service expectations.
- Optimized the wastage of Blast Furnace Gas, electricity and other biproducts of steel making with Gas balancing sheet in the department of Energy Management.
- Developed the CAD drawings as per the requirement of the project team as a part of the design department
- **Waste Heat Recovery Boiler**
  - The project focused on utilizing waste heat from kiln flue gases by installing a Waste Heat Recovery Boiler (WHRB), which replaced 25% of the primary fuel consumption and led to significant energy and cost savings. Streamlined the way fuel was used during the generation process.
- **Pellet Gas Booster**
  - The ultimate objective of the pellet gas booster project is to enhance the pressure of the blast furnace gas supplied to the pellet plant for furnace heating, subsequently replacing the expensive furnace oil.
  - Implemented manufacturing process improvements that achieved great cost saving.

**Design Intern**
**Grupo Antolin** **Oct'2021 – Nov'2021**

- Designed the Pillar trims as a part of new product Design process (4-Wheeler)
- Analyzed problems and communicated with team to develop solutions.

## Certifications:

Statistical process Control – **Automotive Industry Action Group**
Advanced Product Quality Planning & Production Part Approval Process – **Automotive Industry Action Group**
Failure Mode and Effects Analysis – **Automotive Industry Action Group**
Quality Core Tools – **Automotive Industry Action Group**
Measurement System Analysis – **Automotive Industry Action Group**
Comprehensive Air Brake Training – **Bendix CVS**
Agile Product Owner Role: Foundations – **LinkedIn learning**

## Technical Skills:

Catia, Creo, Solid Works, AutoCAD, ANSYS, MATLAB, Python, QMS, FMEA, ISO, IATF, PPAP, APQP, Lean Manufacturing, Microsoft Word, Excel, PowerPoint, Scrum, SAP

## Education:

**Master of Engineering - Mechanical Engineering -** University of Cincinnati **May 2025**
**Bachelor of Technology - Mechanical Engineering -** PVP Siddhartha Institute of Technology **May 2022**