

AAQUIB AWAIS SHAIKH

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PROFESSIONAL SUMMARY

Detail-oriented engineer with over 2.5+ years of experience in manufacturing, quality control, process optimization and CFT collaboration. Proficient in utilizing tools like SolidWorks, Minitab, and Lean Six Sigma tools to optimize processes, drive defect reduction, enhance product quality and solve complex engineering challenges. Proven ability to manage quality improvement projects and looking for a role to drive continuous improvement, implement corrective actions and ensure quality compliance in high-volume manufacturing environments.

EDUCATION

Master of Science in Engineering Management, Northeastern University (Boston, MA) | GPA: 3.67/4 **Sept 2022 – Aug 2024**
Coursework: Product development, Lean Manufacturing, Economics, Data Analytics, Project Management, Statistics, Operations Research

Bachelor of Technology in Mechanical Engineering, DBATU University (Solapur, MH) | GPA: 9.95/10 **Aug 2019 – Aug 2022**

PROFESSIONAL EXPERIENCES

Bulkmagic (StableCoupons) | Quality Engineer | New York, NY **Jan 2025 – Present**

- Supported **supplier onboarding & integration** post-SLA, ensuring seamless **CRM and QMS setup**, streamlining onboarding process.
- Established and **maintained a Quality Management System (QMS)** to support supplier on-boarding, by creating a Process Flow Map.
- Led Supplier Training & **Process Standardization**, establishing **SOPs** to ensure compliance with **quality and regulatory requirements**.

SharkNinja | Quality Engineer Co-Op | Boston, MA **Jul 2023 – Dec 2023**

- Supported** post market surveillance **by analyzing field failure** for **Vacuum Robots**, enabling a **20% improvement in product ratings**.
- Conducted **root cause analysis** on **300+ customer complaints** for using **failure analysis, 5 Why and Ishikawa**, reducing product failure.
- Reduced **15% in warranty cost** by initiating continuous quality troubleshooting project using **six sigma methodologies** on returned product.
- Developed **QA/QC reports**, presenting **risk mitigation plans** for **15+ quality issues** to top management, decreasing Warranty returns.
- Oversaw **process audits** and **corrective actions and preventive actions (CAPA)** implementation using **8D**, decreasing **defect rate** by **8%**.
- Boosted **15% in customer satisfaction** with **10% reduction in field failure issue** by conducting root cause analysis (**RCA**) with **pareto**.
- Coordinated **NPI/NPD** process and product launch, **validating designs**, and reviewing equipment readiness for smooth market introduction.
- Contributed to **DFMEA & product testing** by validating designs for **NPD**, identifying **4 new failure modes** and **mitigation plans** in **Apis IQ**.

S Engineering | Manufacturing Engineer | Solapur, MH **Nov 2021 – Aug 2022**

- Orchestrated **Value Stream Mapping** using **Visio**, identifying **4 bottlenecks** resulting in a **10% reduction** in cycle time by implementing 3 **kaizens**.
- Spearheaded **Kaizen events**, reducing setup time by **20%** by implementing **Poka-yoke**, resulting **15%** reduction in shaft **production time**.
- Incorporated **Design for Manufacturability (DFM)** by conducting **trial runs** in collaboration with engineering team to verify product design and validate process by conducting **Process Failure Mode and Effect Analysis (PFMEA)**, improving **Overall Equipment Effectiveness (OEE)**.
- Analyzed **GD&T** on part drawings, introduced **inspection gauges** for SPC run charts on the line, improving quality control and increasing **Cpk** by **10%**.
- Applied **DMAIC** methodology to reduce the defect rate by **20%**, significantly decreasing **rework and scrap costs** by approximately **\$15,000**.
- Oversaw equipment **factory acceptance test (FAT)** and **site acceptance test (SAT)** in shaft production line, initiating **trial runs** and training.

S Engineering | Process Quality Engineer Intern | Solapur, INDIA **May 2021 – Aug 2021**

- Spearheaded **root cause analysis (RCA)** and implemented **corrective actions** for assembly line defects, improving **first-pass yield by 18%**.
- Conducted **Design of Experiments** to optimize machining parameters, achieving **15%** reduction in **dimensional deviations** across 12 product runs.
- Coordinated the **Production Part Approval Process (PPAP)** for NPD, compliance with design & quality specifications for product launch.
- Performed **process capability analysis** using **Minitab**, resulting in a **15%** increase in **productivity & FPY** across 3 manufacturing lines.
- Monitored **control plans** and analyzed process data, achieving a **10%** reduction in **process variation** in production using **gauges** and **sensors**.
- Implemented and maintained a Quality Management System (**QMS**), reducing **non-conformances** by **12%** and ensuring **quality compliance**.

TECHNICAL SKILLS

- Manufacturing:** VSM, Kanban, 5S, Kaizen, Time Study, MES, DFM, GD&T, DMAIC, NPD/NPI, Cost-benefit ratio, PFMEA
- Quality:** QMS, ISO 9001, Poka-Yoke, Lean Six Sigma, CAPA, DFMEA, RCA, 8D, 5 Why, FPY, DOE, SPC, Cpk Analysis, PPAP, First Article Inspections, quality assurance, data collection and management
- Software & Tools:** SolidWorks, AutoCAD, Minitab, SQL, Python, Jira, Slack, Trello, Visio, CAD/CAM, Microsoft Office (Word, Excel, Project)
- Certifications:** QMS-ISO 13845 (In-progress), Lean Inventory Management, SAP Production Planning, SAP S4/HANA

ACADEMIC PROJECT

Process Improvement Project – Chick fil A, Northeastern University **May 2024 – Jul 2024**

- Simulated operations & logistics scenarios for **15** product mix and devised a project plan to increase profit by **20%** from base case.
- Conducted data analysis using **MS-Excel**, and automated reporting by connecting **SAP HANA** to **Tableau** enabling real-time decisions.