

Kushi Deepak Athma

P: +91 7760000486

[linkedin.com/in/kushi-athma](https://www.linkedin.com/in/kushi-athma)

E: athmakushideepak@gmail.com

Six Sigma | Lean | Control Charts | Conflict Resolution | DMAIC | Inventory Control
FMEA | Testing | Supplier Management | Quality Assurance | Simulation | Operation Research

Education:

- **University of Texas at Arlington, Arlington, TX:** MS in Industrial Engineering **Aug 2023 – May 2025**
- **BMS College of Engineering, India:** BE in Industrial Engineering and Management **Aug 2019 – May 2023**

Certification:

- **Python Programming by University of Michigan, Intro to MATLAB by Vanderbilt University, Microsoft Excel by Coursera**

Skills:

- **Technical Skills:** Python, C, Statistical Process Control, Minitab, NetLogo, MESA, ARENA, NetSuite ERP, ZOHO, Ansys, AutoCAD
- **Methodologies:** Network Optimization, Inventory Management, Regression Analysis, Agent Based Modelling | **Framework:** Kanban, EOQ, Lean, Six Sigma, 5S, Kaizen, Additive Manufacturing
- **Software Proficiency:** Microsoft Project, Microsoft Excel, PowerPoint, Tableau, AutoCAD, SolidWorks, SAP, ARENA, MATLAB, Clickup
- **Quality Skills:** FMEA, 5S, SPC, Fishbone Diagram, 5 WHY'S, Control Charts, DMAIC, Supplier Management with strong Negotiation Skills
- **Interpersonal Skills:** Strong Internet Research, Excellent Verbal, Quantitative Skills, Time Management, Prioritization Abilities.

Work Experience

Graduate Research Assistant | Food and Agriculture Sustainable Supply and Transportation Lab, USA **Aug 2024 (Present)**

- **Optimized** supply chain efficiency by reducing stockouts by **15-20% in Community Gardens of Tarrant County** through **demand forecasting and backorder analysis** while enhancing transportation efficiency by **25%** using **linear programming and simulation modelling** (ARENA, Excel VBA Macros).
- **Implemented Statistical Process Control (SPC)** techniques, including **X-bar & R charts**, to improve **quality management** and process stability.
- **Developed** expertise in **Agent-Based Modeling** using **NetLogo** and **sustainable logistics**, leveraging **Excel, Python, R, and Power BI** for **data analysis, visualization, and decision-making**

Customer Relationship Management Intern | BrandTouch and Analytics – Aashirvaad ITC, Bangalore **Sep 2021 – Aug 2022**

- **Managed** a customer database of **5,000+ clients** using **CRM software (Salesforce, Zoho)**, increasing **customer engagement by 20%** through personalized follow-ups.
- **Optimized** lead management and sales pipelines, improving **conversion rates by 10%** and **customer retention by 15%** using **data analytics (Excel, Power BI)**.
- **Resolved** an average of **30+ customer inquiries per week**, achieving a **98% satisfaction rate** through prompt issue resolution and proactive communication.

Graduate Teaching Assistant – University of Texas at Arlington **Aug 2024 – Jan 2025**

- Provide teaching and support sessions to **100+ graduate and undergraduate students** to help them understand and apply complex concepts in **Data Analysis** such as **Excel VBA coding, Kaizen, and EOQ models** resulting in **25% improvement** in academic performance.
- Handle classes for subjects such as **Production and Inventory Control; Advanced Engineering Economy**

Supply Chain and Business Development Intern | SOLRUF Enterprises, India **Aug 2022 – Dec 2022**

- **Optimized supply chain operations** by analysing **inventory trends, demand forecasting, and supplier performance**, reducing **stockouts by 15% using Excel**.
- Enhanced business development strategies by **conducting market research and competitor analysis, identifying 10% more sales opportunities and improving supplier negotiations**.
- **Streamlined procurement and logistics processes** by collaborating with **cross-functional teams, improving order fulfilment efficiency by 20% through data-driven decision-making**.

Project Experience

Project Lead – Quality Systems | University of Texas at Arlington, Arlington, TX

- Applied DMAIC methodology and SPC tools (X-bar & R charts, p-charts) to reduce Glamshade foundation's failure rate from 13.5% to 5%, ensuring consistent colour matching and stability.
- Utilized Minitab, Excel, and Power BI for data analysis, DOE, and real-time quality monitoring, optimizing pigment dispersion and process control.

Advanced Operation Research | BMS College of Engineering, Karnataka, India

- **Designed** and implemented a **Nordic Questionnaire** to assess **supply chain resilience** in **medium-sized Indian food enterprises**, ensuring structured data collection.
- Conducted data analysis using Simple Additive and Rudit Analysis, **identifying 14 out of 22 companies as highly resilient based on Rudit scoring**.

Evaluation of Presence of Musculoskeletal Disorders Among Working Individuals, BMS College of Engineering, Karnataka, India

- Published a **scientific paper in GRADIVA Review Journal (UGC-Care Approved, Group II)** on musculoskeletal disorders among working individuals.
- **Analyzed ergonomic risks using Power BI**, conducted data collection via the Nordic Questionnaire, and performed **hypothesis testing** (two-tailed t-test) and **data analysis (SPSS)** to assess the impact of poor work postures across professions.

Extra-Curricular Achievement: 2022 VTU women's Kho Kho Tournament winner