

Vysalini Indukuri

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SUMMARY

Master's student from the University of Houston with 3 years of experience in Data Analytics, Supply Chain Management, Process Optimization, Inventory & Procurement Management, Quality Control, Transportation Optimization, Team Management, Operations

PROFESSIONAL EXPERIENCE

University of Houston, C. T. Bauer College of Business, Houston, TX, USA.

Graduate Instructional Assistant, September 2024 – May 2025

- Conducted research and analyzed performance data for 300+ students using SQL and Excel, uncovering trends that improved student performance metrics and informed course redesign, boosting effectiveness by 15%
- Built Power BI visualizations of engagement metrics, enabling data-driven interventions that improved learning outcomes by 18%

Brio Pharmaceuticals, INC., Houston, TX, USA.

Product Management Intern (Quality Assurance), June 2024 – August 2024

- Configured Standard Operating Procedure (SOPs) within an information systems framework, achieving 87% FDI compliance
- Executed comprehensive quality testing of pharmaceutical products in manufacturing and packaging, ensuring full compliance with industry standards and regulatory requirements, diminishing defect rates by 28%, and preventing \$75000 in recall costs
- Performed data-driven fumigation and sterilization processes, significantly simplifying manual cleaning efforts and attaining a 62% decrease in microbial growth, enhancing production safety and operational efficiency

Flipkart (Walmart Group Company), Bengaluru, India

Assistant Manager (Supply chain & Logistics), January 2022 – August 2023

- Tracked and analyzed Line Haul metrics, succeeding a 92% improvement in vendor performance and optimizing network efficiency, leading to \$230K in annual cost savings with a 0.31% reduction in grocery shipment costs
- Redesigned end-to-end supply chain processes by leading 15 regional managers to accomplish Agile, JIT & TQM methodologies
- Decreased shipment breaches by implementing MTTR & MTBF methodologies, improving performance by 0.98% based on KPIs
- Managed a Cross Functional Team in Six Sigma to propel cost and time efficiency, developing 53% of key performance metrics
- Implemented a paperless token system with QR codes using Six Sigma DMAIC, guided by SIPOC and a Fishbone diagram
- Deployed automated data generation and ERP reporting systems, cutting down third-party expenses by over \$160K annually

Caterpillar Pvt Ltd., Chennai, India

Production Intern (Warehouse & Operations), July 2021 – December 2021

- Revolutionized rack storage by ABC analysis, driving 6.4% reduction in shop floor dead and WIP inventory & elevate efficiency
- Championed inventory control through 5S methodology, achieving a 9% reduction in operational time by 20% hike in production

PROJECTS & AWARDS

Designed, manufactured, and analyzed all-terrain vehicle for BAJA SAE India Competition

- Engineered an innovative noise and vibration energy conversion system leveraging sensors, winning the Best Innovation Award
- Developed an award-winning business strategy by integrating market research, financial planning, and growth initiatives

Sustainable Design and Innovation in Material Alternatives and Energy Systems, Caterpillar Pvt Ltd.,

- Pioneered natural fiber-based designs to replace synthetic materials across multiple applications, increasing durability, cost efficiency, and sustainability. Achieved 93% uniqueness in a novelty search, validating real-world applicability
- Innovated a rainfall-powered energy system operated by Piezo-Electric Plates, earned publication from Dassault Systems

CERTIFICATIONS

Lean Six Sigma Green Belt | Scrum Fundamentals Certified | Mastering supply chain & Logistics Management | AI Risk Management and Incident Response | Dynamics 365 Fundamentals (ERP) | SAP Transportation Management | Azure Data Fundamentals

EDUCATION

University of Houston, C. T. Bauer College of Business, Houston, TX

Master of Science in Management Information Systems, May 2025

Jawaharlal Nehru Technological University, Kakinada, India

Bachelor of Technology in Mechanical Engineering, May 2022

LEADERSHIP & MANAGEMENT SKILLS

Director of Business Student Association, University of Houston, Nov 2024 – May 2025

- Led initiatives in professional development, peer networking, and public service to strengthen student engagement and leadership

Shri Vishnu Engineering College for Women, June 2019 – May 2022

- Served as General Secretary for SAE and Chief President for Toastmasters Club driving initiatives in organizational excellence

ACHIEVEMENTS

- Awarded with \$17000 scholarship for academic excellence, entitled to pay In-state tuition fee at University of Houston

INTERPERSONAL & TECHNICAL SKILLS

Data Tools: Power BI, Tableau, Amazon QuickSight, Excel (Advanced), Oracle, SAP MM, Microsoft Azure, AutoCAD, Mini tab

Programming & Query Languages: SQL, Python, R, Java, C, HTML, CSS, JavaScript, VBA, Jupyter, ETL, Catia V5, Ansys, Jira

Statistical & Modeling Tools: SAS, Scikit-learn, QuickSight, DMAIC, RCA, KPI Dashboards, Demand Forecasting, SWOT

Project Methodologies: Agile, Lean Six Sigma, Strategic Planning, Stakeholder Management, Budgeting, Conflict Resolution