Nabiha Yousuf



Mechanical Engineer, MBA, MSc. IT

12+ Years GE

GE HealthCare | GE VERNOVA | GE Aerospace

Summary

AI-enabled supply chain and digital operations leader with 12+ years across GE Vernova, GE HealthCare, and GE Aviation- driving global manufacturing continuity, supplier performance, cost-risk reduction, analytics, and operational transformation. Proven track record leading cross-functional teams across sourcing, logistics, production planning, quality, and engineering while translating complex industrial data into dashboards, decisions, and business action. Combines mechanical engineering, business leadership, and IT expertise to help manufacturers modernize supply chains, improve resilience, and scale intelligent operations.

Work History

Oct'24 – Mar'26

Lead Buyer & Digital Supply Chain Planner

GE VERNOVA, Onshore Wind, Schenectady, NY, USA

- Drove 70% improvement in supplier on-time delivery (OTD) by strengthening strategic supplier relationships, implementing data-driven performance tracking, and enabling real-time issue resolution to support the Cypress production build plan
- Led end-to-end digital transformation of supply chain and planning workflows through development of integrated data tools, automation systems, and analytics platforms across logistics, materials, and quality

Digital Transformation Initiatives *(MOREWIND Program)*

- **Digital Project Management Suite**
  - Architected and enhanced a centralized platform integrating shipments, production schedules, and predictive planning, improving cross-functional visibility and saving 20+ hours/month in manual coordination
- **Digital Materials Intelligence Suite**
  - Designed a SAP-integrated analytics tool consolidating procurement data, pricing intelligence, and supplier status, enabling faster decision-making and reducing reporting effort by 15+ hours/month
- **Digital Quality & NCR Analytics Tool**
  - Implemented a historical Non-Conformance (NCR) tracking system focused on open tickets and material disposition, accelerating issue resolution cycles and reducing backlog processing time by 25+ hours/month
- **Inbound Logistics Intelligence Platform**
  - Built a data-driven tool providing visibility into historical shipment costs, transit times, and routing insights, improving planning accuracy and saving 10+ hours/month in logistics analysis

SCAN ME

Contact

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Status

US Visa Status
Legal US Work Authorization

Marital Status
Single

Driver's License
Valid NY State

Languages

English — Excellent

Hindi — Excellent

Bengali — Excellent

Urdu — Excellent

Arabic — Average

- **Outbound Logistics & Shipment Tracking System**
  - Developed a structured tracking solution capturing Bill of Lading (BOL), shipment status, and inventory flow, enhancing execution efficiency and reducing processing time by 15+ hours/month
- **NAM Region Inventory Visibility Tool (Takkion Integration)**
  - Created a centralized inventory intelligence platform enabling real-time visibility across yards, improving allocation decisions and reducing manual inventory checks by 12+ hours/month
- **ERP Warehouse Receiving Optimization**
  - Analyzed and redesigned alignment between commercial invoices, delivery documentation, and ERP processes, improving compliance and reducing processing inefficiencies by 20+ hours/month
- **Cypress Unit Replacement Automation (Smartsheet)**
  - Designed an automated workflow with real-time alerts and stakeholder notifications, reducing downtime and saving 30+ hours/month through proactive issue management

Nov'23 – Oct'24

Logistics Manager

GE VERNOVA, Onshore Wind, Schenectady, NY, USA

- Led end-to-end logistics and fulfillment strategy for critical onshore wind components (DTE, Hubs, Machine Head, Drivetrains), ensuring seamless delivery across Schenectady and Pensacola factories and project sites
- Directed multi-site logistics operations, orchestrating coordination across production, sourcing, warehouse, and transportation teams to consistently meet contractual delivery commitments
- Designed and executed inventory optimization and lead-time reduction strategies, improving material flow efficiency and strengthening supply chain responsiveness for Services projects
- Built and operationalized a digital project management platform for outbound logistics, enabling real-time shipment tracking, prioritization, and execution—driving measurable improvements in on-time delivery and earning GE Vernova "Changemaker" Honorable Mention recognition
- Transformed traditional logistics workflows into a data-driven operating model, integrating shipment tracking, inventory status, and production schedules into a centralized digital environment for improved visibility and execution
- Delivered executive-level dashboards and reporting, providing real-time insights to senior leadership (including CEO Vic Abate) across finance, sourcing, production, and logistics—enabling faster, data-informed decision-making

Key Skills

- **AI / Digital Transformation**
  - *AI-enabled operations, digital transformation, supply chain analytics, data storytelling, dashboard design, process digitalization, workflow automation, decision intelligence*
- **Supply Chain / Manufacturing**
  - *Global logistics, sourcing, supplier performance, production planning, materials management, inventory risk, S&OP support, manufacturing operations, localization transfer*
- **Leadership / Execution**
  - *Cross-functional leadership, stakeholder alignment, cost-risk reduction, negotiation, Kaizen, Lean, Gemba, operational excellence, issue resolution*
- **Systems / Tools**
  - *SAP, Oracle, Tableau, Excel, Power Query, Smartsheet, Gensuite, Microsoft Teams, Google Workspace, Figma, Canva*
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- **Monitoring & Evaluation Skills**
  - *Monitoring & Evaluation (M&E), Monitoring, Evaluation & Learning (MEL), Quantitative Analysis, Qualitative Research, Data Collection, Data Validation, Dashboard Development, Data Visualization, KPI Development, Performance Monitoring, Survey Design, Interview Protocol Development, Stakeholder Reporting, Continuous Improvement, Program Evaluation, Impact Assessment, Research Methods.*

- Leveraged data analytics and KPI monitoring to identify bottlenecks, drive continuous improvement initiatives, and enhance logistics execution across factory operations
- Acted as a key bridge between shop-floor operations and executive leadership, collaborating with cell leaders, assemblers, and cross-functional teams to align production schedules with logistics execution in real time
- Implemented proactive shipment monitoring and issue resolution frameworks, reducing disruptions and ensuring consistent adherence to delivery timelines.
- Applied data-driven and predictive thinking using historical shipment trends and performance metrics to anticipate risks, improve planning accuracy, and support more proactive logistics decision-making

Apr'22 - Apr'23

Production Sourcing Leader (Global Supply Chain & Risk Management)

GE HEALTHCARE, Florence, South Carolina, USA

- Managed sourcing and supply continuity for magnetic resonance (MRI) manufacturing, supporting operations across 5 global plants (US, China, Mexico, India)
- Analyzed and mitigated supply chain risks in collaboration with commodity managers, engineering, and operations teams to address market changes and component availability impacting production
- Partnered with finance, operations, and suppliers to reduce Excess & Obsolete (E&O) exposure, using structured negotiation and sourcing strategies to minimize cost impact
- Developed a supplier performance dashboard across multiple inventory organizations, improving visibility into supplier reliability, risks, and opportunities
- Worked closely with material teams, vendors, brokers, and engineers to resolve supply chain constraints and maintain uninterrupted production
- Supported localization and transfer activities, collaborating with business leaders to balance cost, risk, and operational requirements
- Coordinated with sourcing, supplier quality, and engineering teams to ensure transfer execution aligned with regulatory and compliance requirements
- Delivered cost savings through supplier negotiations and performance management, while maintaining product quality and supply stability
- Applied Lean principles to improve sourcing processes, streamline workflows, and reduce inefficiencies
- Contributed to global sourcing initiatives, supporting supplier identification and engagement to strengthen supply resilience
- Facilitated knowledge sharing and training sessions on sourcing practices and supplier management for cross-functional teams

Technical Profile

- Microsoft Office
- Tableau
- NVivo
- Power BI
- Microsoft Exchange
- Google Sheets
- MathWorks MATLAB
- Teams
- Google Drive
- Oracle
- MySQL
- Google Workspace
- Microsoft Outlook
- Microsoft Access
- Microsoft Project
- Zoom
- Java
- Visual Basic C++
- JavaScript
- SAP
- Smartsheet
- Gensuite
- Dashboard
- Figma
- Canva

Certifications

1. IBM Generative AI
2. PMP Certification (in progress)
3. GE Business Essential Leadership Skills (BELS)
4. GE Project Management
5. GE Green Belt (trained)

Dec'16 - Aug'18

Aviation Supply Chain & Logistics Operations Leader

GE AEROSPACE, Doha, QATAR

- Served as the primary focal point for materials logistics and spare parts procurement supporting GEnx and GE90 engine maintenance operations (On Wing Support – OWS) in Qatar and globally
- Managed end-to-end coordination of spares, tooling, chemicals, and repair materials, ensuring timely availability to support engine maintenance and service delivery
- Established critical operational frameworks by collaborating with Qatar General Authority of Customs, HSBC Bank, and Qatar Science & Technology Park (QSTP) to enable compliant and efficient engine movement within a free-zone environment
- Built and maintained strong partnerships with global logistics providers, including DHL Express, DHL Global Forwarding, Agility, and customs agents, improving shipment execution and reliability
- Led process simplification initiatives that reduced engine turnaround time (TAT) from 14 days to 1 day, significantly improving operational responsiveness and customer delivery
- Supported the expansion of operations from 1 to 3 GEnx engine lines, enabling increased capacity and business growth
- Coordinated with global suppliers for new parts procurement, component repairs, and material provisioning, ensuring alignment with operational requirements
- Executed procurement and logistics transactions, including purchase order management, inventory tracking, and system updates (Salesforce/iROWCs) for repair orders
- Partnered with finance teams on customer invoicing and vendor payments, ensuring accuracy and alignment with operational activities
- Facilitated weekly cross-functional reviews with operations, planning, materials, and site leadership to track engine progress and resolve execution challenges
- Completed GE Business Essential Leadership Skills (BELS) training, strengthening leadership and operational decision-making capabilities

Oct'12 - Dec'16

Production Planner & Project Coordinator

GE VERNOVA- GAS POWER, Abu Dhabi, UAE

- Coordinated cross-functional project execution across engineering, operations, quality, and production teams through daily production reviews, ensuring alignment with delivery schedules and customer requirements and customer satisfaction.
- Managed end-to-end production planning and scheduling using SAP, including sales order creation, shop floor tracking, and real-time updates to reflect operational progress

References

1) GE Vernova Onshore Wind
Brent Shawcross
E-mail
Brent.Shawcross@ge.com

2) GE Aviation Manager
Jayaprakash Venkatraman
E-mail
Jai.venkatraman@ge.com

3) GE HealthCare Manager
Whit Parker
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whit.parker@ge.com

4) TCU Director
John Singleton
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5) Rutgers MBS Executive Director
Dr. Deborah Silver
E-mail
dsilver@rutgers.edu

App Developer

GE NIOS™

GE NIOS™ is a personal demo concept exploring how AI and data storytelling can transform complex operational data into meaningful narratives, connecting innovation, employees, and the real-world impact of GE's technologies.

- Acted as a key liaison between customers and internal teams, supporting global stakeholders across the Middle East, Africa, Europe, and South America to ensure clear communication and on-time project delivery
- Developed and maintained production pacing and forecasting reports, partnering with finance to align operational output with quarterly revenue targets
- Tracked inspection, repair, and reporting milestones, ensuring timely completion and delivery of customer documentation
- Prioritized projects based on urgency and customer demand, coordinating customer visits, production schedules, and execution timelines
- Partnered with logistics and sourcing teams to coordinate material availability, transport requests, and shipment execution, ensuring smooth flow of operations
- Managed follow-ups on fallout parts and repair components, aligning sourcing, inspection, and build-up activities to maintain project timelines
- Monitored on-time delivery (OTD) performance, analyzing weekly shipment data to identify gaps and drive continuous improvement
- Led site-level simplification initiatives, improving workflow efficiency and reducing operational bottlenecks
- Initiated and supported EHS and ergonomics projects, enhancing workplace safety and operational standards
- Served as GE Women's Network Lead (UAE site), driving engagement, leadership development, and team collaboration

Oct'11 – Oct'12

INTERN



GE VERNOVA- GAS POWER, Abu Dhabi, UAE

ROLE: *Undergone training to be a Lead QA/ QC INSPECTOR for the Turbine Blades and Fuel Nozzles section*

- Responsible for ensuring quality and regulatory compliance in accordance with documented procedures (REI) for all aspects of functional responsibility.
- Inspected build components (Buckets for all the Frames 5, 6, 7 and 9 -Stages 1, 2 and 3) and (Fuel Nozzles– Frame 5, 6, 7 and 9 for Primary, Secondary and Standard DLN/GAS Only) to ensure they are completed as per the build instructions and the inspection and test plan.
- Ensured all quality records are collected and maintained as per Quality System.
- Developed and implemented Continuous Improvement activities in support of the Quality Management System.
- Worked with SAP (System Application and Products) IT team and Sourcing team for the site's transition from JDE to SAP system

Interests

Traveling, trekking, running (marathon), reading, drawing, interior decorating, drawing, singing, dancing, motivational speaking, cooking, fashion, watching movies, antiques, graphics designing.

➢ *Check out my Artistic portfolio:*



(1)



(2)



Education

Present

EXECUTIVE Ph.D.

INFORMATION TECHNOLOGY

University of the Cumberlands, Kentucky, USA

GPA: 3.66

Jan'21 – Jan'23

MASTER OF BUSINESS & SCIENCES (MBS)

COMPUTER INFORMATION SCIENCE, IT

RUTGERS UNIVERSITY, New Jersey, USA

GPA: 3.76

Aug'18 – Jan'20

MASTER OF BUSINESS ADMINISTRATION (MBA)

GENERAL

XAVIER UNIVERSITY, Ohio, USA

GPA: 3.74

Aug'07 – Aug'11

BACHELOR OF SCIENCE (BSc.)

MECHANICAL ENGINEERING

TEXAS CHRISTIAN UNIVERSITY, Texas, USA

PhD Research

Data Storytelling Employee Engagement

Investigating *how data storytelling enhances employee engagement* through a qualitative multiple-case study exploring employees' and managers' experiences with narrative-driven data communication. The research examines how storytelling, visualization, and contextualized data improve comprehension, trust, collaboration, and decision-making, providing practical leadership strategies for creating data-informed organizations.

Accomplishments

✓**Patent holder: WINDSHIELD WIPER ADAPTER, USA**

- United States 61/412,724
- Filed: November 11, 2010
- Jamak Fabrication Company in Texas(USA) found our windshield-wiper-adapter designs quite useful and decided to file a provisional patent application to protect these designs

✓**Research Associate- Physics Department, TCU, USA**

- Created and designed new equipment for the size separation of zinc oxide nanoparticles
- Conducted several experiments under Transmission Electron Microscope and Scanning Electron Microscope
- Researched and developed documentation requesting funding for capital investment and received a SERC undergraduate grant in the amount of **$1,829**.
- Submitted my abstract to the American Physics Society and presented my research

Author & Keynote Speaker

When Data Speaks

A practical guide to using data storytelling, narrative intelligence, and visualization to help leaders inspire action, build trust, and make better decisions.



Creative Director

AI & I

AI&I is where artificial intelligence meets human intelligence, creativity, and emotion. It's a movement to humanize technology through storytelling, innovation, and authentic conversations—reminding us that behind every algorithm is a human story worth understanding. Because the future isn't just about making AI smarter; it's about making humanity stronger.



Awards & Certification

Year	Recognition
Feb 2026	*CEO Kaizen Machine Head Built In Quality*
Jul 2025	*Generative AI for Project Managers*
Dec 2024	*GE Vernova Changemaker Honorable Mention*
Sep 2024	*Machine Head Shingi Kaizen Event*
Aug 2024	*Act with Humility*
Nov 2022	*Lead with Transparency*
Aug 2022	*Deliver with Focus*
Oct 2017	*5-year Service award*
Jul 2017	*Customer determines our success*
Jul 2017	*Deliver results in an uncertain world*
Apr 2017	*Deliver results in an uncertain world*
Apr 2017	*Learn and adapt to win*
Mar 2017	*Empower and inspire each other*
Jan 2017	*Deliver results in an uncertain world*
Jul 2015	*Learn and adapt to win*
Apr 2015	*Customer Focus*
Jun 2014	*Delivery*
Sep 2012	*Customer Focus*

Volunteer & Membership

- GE ERG NETWORK- APAF, NY Hub (Asia Pacific Allies & Friends)
- GE Women's Network – USA Hub
- PMI member -NYC and Long Island Chapter
- Citizens of the Word – Xavier University
- Xavier Women's MBA Association – Xavier University
- National Association of Women MBA
- GE Woman's Network – UAE Hub
- Chancellor Leadership Program -Scholar (TCU)
- Society of Women Engineers (SWE) - Historian for one term
- Institute of Electrical & Electronics Engineers (IEEE)
- American Society of Mechanical Engineering (ASME)
- American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) – Vice President
- International Student Association (ISA)
- Students for Asian Indian Cultural Awareness (SAICA)
- TCU Frog House – Habitat for Humanity Volunteer

Creative Director

Hymns of the Quran

A musical journey through the timeless wisdom of the Quran, transforming sacred messages into melodies of faith, hope, healing, justice, and compassion. Through music, we explore the beauty of divine guidance, the power of the human spirit, and our shared responsibility to protect one another.

Founder

GE Heritage Village

A volunteer-driven initiative created to preserve GE's rich history, celebrate its people, and bring generations of colleagues together through shared memories, stories, and creativity. I dedicate my time to creating tribute posters, collectible legacy cards, and engaging in the GE Facebook community with content to honor the people behind the achievements—not just their titles, but their contributions, sacrifices, and humanity. My hope is to make everyone feel remembered, valued, and connected, because a legacy isn't just built by a company; it's built by the people who give it a heart.