# Nilani Priyanka Gunasekara

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## SUMMARY

Data-driven Operations & Supply Chain Analyst with 7+ years of experience improving operational efficiency, optimizing logistics flows, and building reporting systems across manufacturing and supply chain environments. Skilled in operational data analysis, dashboard development (Power BI, Excel), forecasting, KPI design, and continuous improvement. Proven ability to analyze large datasets, validate data accuracy, and collaborate with operations, procurement, and data teams to drive process optimization and informed decision-making. Passionate about enabling sustainable, efficient operations that deliver measurable business benefits.

## EXPERIENCE

**RESEARCH ASSISTANT** | 11/2025 - Present

**QUT (Queensland University of Technology) - Brisbane, QLD**

- Supported data collection, survey development, and high-accuracy data validation for major behavioral study projects.
- Prepared reports, ethics documentation, and analytical summaries in collaboration with the chief investigator.

**CASUAL LECTURER** | 11/2024 - Present

**Holmes Institute - Brisbane, QLD**

- Delivered over 80 hours of lectures and tutorials on basic statistics and economics for undergraduate and postgraduate students.
- Met grading deadlines consistently, ensuring timely feedback and maintaining academic schedule integrity.

**ASSISTANT MANAGER- SUPPLY CHAIN ANALYTICS** | 10/2021 - 10/2023

**Hirdaramani Knit Center of Operations - Colombo, Sri Lanka**

- Analyzed end-to-end supply chain and logistics datasets (10,000+ records) to identify inefficiencies, optimize material flows, and support daily operational decisions.
- Built operational reporting dashboards to improve visibility for procurement and operations teams.
- Designed KPI frameworks covering supplier performance, wastage, lead times, and inventory efficiency.
- Led continuous improvement initiatives that reduced material waste by 28%, improved documentation accuracy, and minimized excess inventory.
- Delivered cost reduction outcomes exceeding targets by up to 107% across 14 major fabric supply projects.
- Collaborated with international operations teams (Vietnam, Ethiopia) to standardize reporting, documentation, and compliance processes.
- Supported strategic sourcing and forecasting through validated, reconciled datasets and clear insight reporting.

**VISITING LECTURER** | 12/2019 - 09/2022

**National Institute of Business Management - Colombo, Sri Lanka**

- Delivered analytics, statistics, and business process courses for undergraduate and postgraduate programs.
- Supervised industry-focused projects deliver measurable operational improvements (lead-time reduction, warehouse optimization).

**SUPPLY CHAIN ANALYST** | 01/2021 - 09/2021

**Teejay Lanka PLC - Avissawella, Sri Lanka**

- Produced bi-monthly operational and market trend reports supporting procurement decisions across Sri Lanka, India, and the UK.
- Developed automated supplier tracking using Power Automate, reducing delays in Oeko-Tex certification and strengthening compliance reporting.
- Validated and reconciled procurement, supplier, and production datasets to ensure accuracy for accreditation audits.
- Supported sustainability compliance by enabling the company to achieve the US Cotton Trust Protocol accreditation.
- Documented business requirements and KPIs to strengthen alignment between operations, supply chain, and leadership teams.

**BUSINESS ANALYST** | 05/2018 - 01/2021

**Jat Holdings (Pvt) Ltd - Thalawathugoda, Sri Lanka**

- Conducted detailed operational analysis across manufacturing and distribution processes, identifying bottlenecks and recommending system improvements.
- Developed operational reports and cost-saving models that reduced production and distribution expenses.
- Worked closely with operations and production teams to define analytical requirements and deliver actionable insights.
- Improved strategic planning through data-driven decision support and enhanced KPI tracking across departments.

**TEMPORARY LECTURER** | 02/2015 - 02/2017

**University of Kelaniya - Kelaniya, Sri Lanka**

- Designed and delivered business analytics, research methods, project management, and statistics modules.
- Supervised research projects and contributed to program and curriculum development.

**TUTOR** | 01/2013 - 02/2015

**Wayamba University of Sri Lanka - Kuliyapitiya, Sri Lanka**

- Delivered modules in analytics, statistics, marketing, and project management while supporting research-based learning and curriculum strengthening.

**EDUCATION**

**Queensland University of Technology - Australia | Master of Philosophy**

Consumer Behaviour, 10/2025

- Advanced quantitative research methods, data analysis (SPSS, AMOS), and large-scale dataset management .

**University of Sri Jayewardenepura - Sri Lanka | Master of Science**

Management, 12/2017

- Completed advanced coursework in economics, accounting, HR, and statistics, operations, business process and financial management through detailed case studies and interactive simulations.

**Wayamba University of Sri Lanka - Sri Lanka | Bachelor of Science**

Industrial Management & Statistics , 01/2013

- Studied multiple subjects in industrial management and statistics, applying theories to real-world scenarios.
- Designed and developed a computer-based information handling system for QueenBy Lanka Prints' Maintenance Department, enhancing operational efficiency.

## CERTIFICATIONS

- ESOS: Education Services for Overseas Students Staff Development
- Certified Lean Six Sigma Black Belt
- Blue Card

## SKILLS

- Operations & Logistics Analysis
- Dashboard Development (Power BI, Excel)
- Reporting Frameworks & KPI Development
- Data Cleaning, Validation & Reconciliation
- Forecasting & Modelling
- Process Improvement (Lean Six Sigma)
- Workflow Automation (Power Automate)
- Stakeholder Engagement
- Communication
- Supply Chain Optimisation
- Cross-functional Collaboration

## PUBLICATIONS

- Author of several peer-reviewed journal and conference papers in analytics and digital behaviour, with work presented internationally. Full list available upon request.

## AWARDS

- QUT Postgraduate Research Award (full scholarship, 2023–2025)
- World Bank Trust Fund Grants (2015 & 2016) for international training workshops in quantitative research
- Presented research at international conferences, enhancing analytical and communication capability.