

MANASWINI GOPALA

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EDUCATION

San Diego State University

Master of Science in Information Systems | Cumulative GPA: 3.6/4

San Diego, CA

Aug 2024 - May 2026

Relevant Coursework: Global Supply Chain Analytics, Operations Supply Chain Management, Strategic Program Management, Project Planning and Management, Business Systems Analysis and Design, Business Analytics, Statistical Analysis, Financial Reporting and Analysis, Enterprise Database Management, Data Driven Applications, AI and Big Data

EXPERIENCE

SDSU Fowler College of Business

San Diego, CA

Supply Chain Risk Analyst

Jan 2025 - Present

- Researched 40+ global pharmaceutical manufacturers, biotech startups, healthcare markets and academic papers to build a master **taxonomy of 20+ end-to-end supply chain risks**, identifying their root causes and actionable mitigation levers.
- Designed and refined a **risk assessment framework** that mapped SEC 10-Q / 10-K disclosures to taxonomy and translated the results into actionable **mitigation strategies for decision-makers**.
- Conducted scenario analyses and built interactive **Excel dashboards to track and visualize supplier risk frequency/severity**, improving risk visibility and supporting prioritization of mitigation plans across critical suppliers.
- Collaborated with faculty through **agile sprint reviews** to iterate on risk model coverage, enhance framework robustness, and align with evolving project goals.
- Currently prototyping a **Python NLP script** to automate extraction of risk data from reports, targeting a **60%** reduction in manual review time and greater efficiency.

Math & Science Learning Center- Part-time

San Diego, CA

Tutor, Business Analyst

Jan 2025 - Present

- CRLA-certified tutor in **Excel, Statistics, and Advanced Math, R** supporting undergrads in strengthening analytical skills.
- Alongside tutoring, I conducted data analysis in R using Excel-based student service logs to visualize patterns in wait times, subject demand, and tutor utilization.
- Developed **reports and dashboards** to highlight student demand and operational trends, and communicated findings to non-technical sponsors and leadership, supporting data-driven funding outcomes.

UPS (United Parcel Service)- Part-time

San Diego, CA

Warehouse Assistant

Jan 2025 - Present

- Sustained high-volume sort and scan operations with **99%+** data entry accuracy, demonstrating strong **attention to detail** in ensuring inventory integrity and supporting end-to-end package traceability across the warehouse network.
- Assisted in last-mile fulfillment by locating and dispatching packages to customers, contributing to **customer service** in a time-sensitive logistics environment.

CDTechSolutions - Internship

Remote

Data Analyst

Jun 2023 - Jul 2024

- Automated the daily extraction of supply chain data from email attachments **by integrating Outlook with Power BI**, streamlining data intake for reporting and saving over **100+ man-hours per month** by eliminating manual downloads.
- Consolidated and transformed raw order data from multiple formats using **Power Query** into a clean and consistent reporting structure.
- Built **interactive dashboards in Power BI** to monitor supply chain key performance metrics (**KPIs**) such as order-to-delivery timelines, inventory turnover, and shipment performance by mode and region.
- Conducted **data analysis** to uncover patterns in delivery delays and logistics inefficiencies, enabling **data-driven decisions**.
- Enabled dynamic data refresh and automated report scheduling using Power BI's Get Data and **Power Automate**, ensuring real-time updates and timely delivery of insights to stakeholders, reducing report refresh time by **70%**.
- Collaborated with **cross-functional teams** to improve supply chain visibility and operational responsiveness by delivering accurate, automated Power BI dashboards with intuitive filters, drill-through views, and predictive visuals, resulting in a **25%** drop in delayed deliveries and stronger stakeholder engagement.

SKILLS

Languages	Python, SQL, R, C, C++, Java
Analysis & Visualization	Excel (VLOOKUP, Power Query, DAX, Pivot Table, Formulas, Index Match), Power BI, Tableau, Alteryx, Looker, SAS, Ad hoc Analysis
IDEs	RStudio, Visual Studio Code, PyCharm, Jupyter Notebook
Project Management	Agile, Cross-functional Collaboration, Analytical Thinking, Time Management, Communication, Root-cause analysis, Project cost-benefit framing, Attention to Detail
Supply Chain and Logistics	Inventory Management & Warehouse Operations, ERP (SAP), Risk Assessment, Data-Driven Decision Making, Demand Forecasting, Process Optimization, JIT/Lean Principles
Data Analytics and Infrastructure	Data Modeling, Data Warehousing, ETL (Extract, Transform and Load), Data Pipelines, Data Analytics, Data Visualization, Workflow Orchestration, Business Intelligence & Reporting, LLM
Machine Learning	Regression, Classification, Naive Bayes, KNN, K Means, Hypothesis Testing, NLP

PROJECTS

Cross-National Supply Chain Resilience & Sustainability Analysis

- Conducted a comparative study of supply chain management practices in the US, Japan, and Germany, examining vertical integration, JIT and lean manufacturing, Industry 4.0 adoption, and sustainability initiatives. Analyzed real-world case studies, including Toyota's RESCUE system for disaster risk mapping, to highlight each country's unique strengths in operational efficiency, supplier collaboration, and resilience planning.

Tech: Excel (Pivot Tables, Charts), PowerPoint, Data Visualization

Sentiment Analysis for Social Media Networks

- Developed and implemented a predictive model utilizing NLP techniques to analyze user-generated content and assess sentiment trends in political tweets, enabling location-specific insights for various parties.

Tech: Python, scikit-learn, NLTK, Geopy, Location Data APIs, Google colab, Git, Excel, NLP, Sentiment Analysis, Vader sentiment, Sentiment Intensity Analyzer, Text Preprocessing, Data visualization (Power BI, Word cloud)

Student Performance Analysis

- Developed and compared linear regression, SVM (radial), and neural network models to predict GPA of high-school students. Identified key factors like absences and study time, providing insights that improved forecast accuracy and guided academic support strategies.

Tech: R, RStudio, Excel, EDA & visualization, ML algorithms (linear regression, SVM, neural network)

Queue-Free: The Future of Fast Concession Stands

- Authored a 40-page plan to digitize SDSU's Viejas Arena concessions with a mobile-ordering app, RFID inventory tracking, and upgraded POS terminals. Built an \$85K budget, WBS, and risk matrix that target <5-min wait times, 25–30 % sales growth, and <2 % inventory variance.

Tech: MS Project, Trello, Slack, Google Drive, RFID hardware, POS terminals, Power BI

CERTIFICATIONS

- Using Data Analytics in Supply Chain – Unilever
- Excel Basics for Data Analytics – IBM
- Project Risk Management – Coursera

LEADERSHIP & VOLUNTEER EXPERIENCE

National Service Scheme

Hyderabad, India

Treasurer

Sep 2021 – Apr 2024

- As an organizer, I led various community service projects and collaborated with cross-functional teams of students, faculty, and local partners to plan and execute impactful outreach programs.
- Managed recruitment and orientation processes, aligning new members with organizational goals and enhancing retention via active engagement.

Diurnalis – The Journalism Club

Hyderabad, India

Publicity & Communications Executive

Jun 2022 – Apr 2024

- Coordinated with multiple departments to design and run communication and social media strategies that expanded reach.