KARAN RAMESH PATEL

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SUMMARY

Karan turns complex financial and operational data into actionable insights that drive business decisions and process improvements. He works hands-on with data from multiple systems using SQL, Tableau, and Power BI to design intuitive dashboards and scalable analytical solutions. He recently completed an internship as a Business Analyst Intern at Acumen Fiscal Agent, where he built enterprise dashboards, automated reporting, and partnered with leadership to streamline billing workflows, and applied Lean Six Sigma to map workflows. His experience in financial modeling and business intelligence helps teams improve efficiency and strengthen reporting.

EDUCATION

Master of Science in Business Analytics - Supply Chain Track   Aug 2024 - Dec 2025
W. P. Carey School of Business at Arizona State University (ASU), Tempe, AZ   CGPA: 3.70 / 4.00
Relevant Coursework: Analytical Decision Modeling, Business Process Analytics, Machine Learning in Business, AI & Data Analytics Strategy, Quantitative Risk Management, Operations & Supply Chain Management, Strategic Procurement, Logistics in Supply Chain,

WORK EXPERIENCE

Business Intelligence Analyst Intern, Acumen Fiscal Agent, AZ, USA   May 2025 - Aug 2025
- Built and deployed a Power BI billing dashboard integrating Solomon, NetSuite, Access DB, and Excel; adopted daily by leadership, cut reporting time ~30%, and improved decision-making through storytelling and user-focused design.
- Automated data prep with 10+ Power Query models and Lean Six Sigma workflow mapping; improved data quality, scalability, and identified 5 key areas for process optimization.
- Partnered with AR, GL, and IT teams to gather requirements and standardize recurring reports; boosted accuracy by 20% and increased stakeholder confidence in financial insights.

Business Analyst Intern, Skill Vertex, Bangalore, India   Sep 2023 - Dec 2023
- Streamlined financial data management by processing 10,000+ records through SQL-based ETL pipelines, improving data integration efficiency, achieving 98% accuracy, and enabling cost-saving strategies in operational expenses.
- Developed automated reporting workflows using Python, SQL, and Tableau, integrating 5+ data sources to create interactive dashboards, reducing reporting time by 30% and improving financial reporting efficiency for finance teams.
- Conducted data-driven analysis to support business decision-making and FP&A initiatives, collaborating with cross-functional teams to identify trends, improve data visualization strategies, and enhance insights for stakeholder presentations.

Data Analyst Intern, JSW Paints, Mumbai, India   Jan 2022 - Jun 2022
- Designed interactive dashboards using SQL & Power BI, enabling real-time inventory tracking and quality analysis, reducing manual reporting efforts by 40%, and improving procurement decision-making on stock levels.
- Enhanced inventory management processes by implementing automated validation checks, improving data accuracy for inventory records and paint samples, ensuring seamless operations for the supply chain team.
- Optimized supply chain efficiency by identifying data discrepancies and streamlining logistics workflows, leading to a more accurate demand forecasting model and reducing operational bottlenecks.

PROJECT EXPERIENCE

Supply Chain Risk Assessment
- Performed supply chain risk analysis by evaluating historical cost data from suppliers and contracts, identifying cost fluctuations in raw material sourcing and transportation, enabling proactive cost management strategies.
- Developed an AI-driven forecasting model utilizing LSTM, Monte Carlo Simulation, Python (TensorFlow), and SQL, integrating time-series forecasting and risk simulations to enhance supply chain resilience.
- Optimized inventory management by predicting potential supply chain disruptions and analyzing supplier lead times, improving logistics planning and mitigating operational risks.

Solar Power Generation Analysis
- Analyzed over 10,000 data points, leveraging statistical modeling and feature engineering to uncover key solar energy factors impacting power output, driving data-backed efficiency improvements.
- Partnered with engineers and energy analysts to assess power distribution inefficiencies, facilitating strategic optimizations that minimized energy wastage across the grid.
- Designed and implemented automated Tableau dashboards to enable real-time anomaly detection, enhancing operational oversight and streamlining decision-making for power plants and distribution centers.

SKILLS & CERTIFICATIONS

- Data Analysis & Visualization: MySQL, Tableau, Power BI, Data Preprocessing, Advanced Microsoft Excel, ETL, EDA, Power Query
- AI Analytics & Project Management: Python (TensorFlow, Keras), LLMs, LSTM, NLP, Statistics & MATLAB, Time-Series Forecasting, AI- Driven Analytics, Lean Six Sigma, Agile Methodologies, Business Process Improvement,
- Cloud & Data Management: Snowflake, AWS, AWS Athena, MS-Azure, Amazon SageMaker, Pipeline Building, ERP Systems, R
- Diploma in Data Science, Advanced Microsoft Excel Course, Supply Chain Management Association (SCMA) | Member.