

DHEERAJ SHETTY

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[LinkedIn](#) — [GitHub](#) — [Portfolio](#)

PROFESSIONAL SUMMARY

Data and business analytics professional combining 3+ years of operational analytics, business process optimization, and technical execution across high-scale systems. Skilled at translating ambiguous business problems into data-driven solutions using SQL, Python, and BI platforms. Experience spans vendor operations analytics at Amazon, ERP data migration and governance, and building automated workflows for decision support. Proven ability to bridge technical teams and business stakeholders while delivering measurable outcomes in fast-paced, cross-functional environments.

CORE COMPETENCIES

Analytics & Modeling: Predictive modeling, regression, time-series forecasting, statistical analysis, ML workflows
Data & Engineering: SQL (MySQL, PostgreSQL, Redshift), Python (Pandas, NumPy, Scikit-learn), ETL, data pipelines
BI & Visualization: Tableau, Power BI, Looker Studio, KPI dashboard design, Power Query, DAX
Business Strategy: Requirements gathering, process analysis, stakeholder alignment, change management
Platforms & Tools: AWS, Snowflake, Alteryx, Excel (VBA), Git, Jira, Agile/Scrum, Workday, SharePoint, SFTP

PROFESSIONAL EXPERIENCE

Workday Technology Analyst Intern

June 2025 – Dec 2025

American University – Office of Information Technology

Washington, DC

- Executed SQL-based ETL workflows to validate and convert 100K+ ERP records across legacy systems and Workday Student, improving data integrity by 25% through automated reconciliation and complex Excel macros
- Collaborated with cross-functional Agile teams to draft technical specifications and business requirements documents for 8 integrations, aligning data governance policies with university-wide ERP modernization objectives
- Designed and executed UAT test cases for data migration scenarios, resolving discrepancies pre-deployment and supporting seamless adoption across academic and administrative stakeholders

Event Data Coordinator

Dec 2024 – Aug 2025

American University – Center for Faculty Excellence

Washington, DC

- Built automated event registration and tracking system using SharePoint Designer, InfoPath workflows, and Qualtrics, reducing manual effort by 40% and saving 120 staff hours annually
- Designed Tableau dashboards providing self-service analytics on attendance trends, session popularity, and feedback insights for 100+ annual faculty development programs, enabling data-driven event planning
- Led end-to-end data operations for Ann Ferren Conference (500+ participants), coordinating data collection, reporting, and post-event analysis to support strategic programming decisions

Senior Vendor Operations Associate

May 2021 – July 2024

Amazon Development Centre India

Mumbai, India

- Wrote complex SQL queries to analyze 500K+ records across vendor performance datasets, identifying root causes of SLA breaches and driving 30% improvement in compliance for 100+ global clients (3M, Samsung, Unilever)
- Built and maintained Tableau dashboards tracking operational KPIs and vendor health metrics, serving as the primary decision-support tool for supply chain and operations leadership across US and APAC region
- Partnered cross-functionally with IT, operations, and supply chain teams to define requirements for process automation initiatives, increasing team efficiency by 15% through workflow optimization and documentation improvements
- Developed 50+ test cases to validate data quality and business logic for vendor management systems, achieving 95% defect detection rate pre-deployment and ensuring seamless rollout of operational changes

SELECTED PROJECTS

Next-Day ROAS Forecasting for Amazon Ads

Python, ML, Time-Series

- Built predictive models (XGBoost, Random Forest, PLS) to forecast Return on Ad Spend (ROAS) using time-based validation on historical campaign data; informed budget allocation and bidding optimization strategies

Worldwide Metro System Performance Analysis

Python, SQL, Forecasting

- Compiled and analyzed 2M+ ridership and infrastructure records across 50+ global metro systems; applied time-series models to forecast demand and identify operational efficiency opportunities

Dell Perpetual-to-Subscription (P2S) Project

Process Analysis, SQL

- Analyzed quote-to-cash workflows for enterprise software licensing transition; documented business requirements and proposed data-driven workflow improvements to reduce processing time by 20%

EDUCATION

Master of Science in Business Analytics & Artificial Intelligence

American University – Kogod School of Business

Predictive Analytics with ML, Database & Big Data, Business Intelligence, Applied Statistics, Business Process Analysis

Expected Dec 2025

Washington, DC

Bachelor of Management Studies

University of Mumbai

Business Statistics, Strategic Management, Research Methods, Marketing Management

Oct 2020

Mumbai, India

LEADERSHIP & RECOGNITION

President, Analytics Club – Organized datathon with 75+ participants; led technical workshops on Python, SQL, and Tableau across campus

Kogod Graduate Ambassador – Guided 50+ prospective students on academic and career pathways in business analytics

Change Champion – Recognized for driving process adoption and training initiatives at Center for Faculty Excellence