ASHISH SANJAY GHAYTADAK

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EDUCATION

Syracuse University, School of Information Studies Aug 2024 - May 2026

Master of Science, Information Systems

Coursework: Business Analytics, Applied Machine Learning, Database Administration, Data Science, Visual Analytics, Cloud Computing

Shivaji University Jul 2017 - Aug 2021

Bachelor of Engineering, Electrical Engineering

EXPERIENCE

Teaching Assistant – Syracuse University, School of Information Studies Aug 2025 - Present

- Facilitate learning for 100+ undergraduate students in "Essence of Finance" course, delivering lectures on financial analysis, data-driven decision making, and quantitative modeling techniques
- Guide students through complex financial datasets and statistical analysis using Excel and Python, providing hands-on instruction in spreadsheet modeling, formula optimization, and data visualization techniques
- Grade exams and assignments for large student cohorts, providing detailed feedback on analytical methodologies and ensuring consistent evaluation standards across diverse submission types

Data Engineer Intern – PeopleLens Jul 2025 - Aug 2025

- Architected and optimized scalable ETL/ELT data pipelines using Python, SQL, and AWS services, processing 500K+ records daily and reducing data processing time by 35% while ensuring 99.9% data quality and integrity
- Built automated metrics reporting and forecasting models using statistical analysis and machine learning techniques, improving pipeline visibility by 40% and accelerating deal velocity by 15%
- Crafted RESTful APIs and self-service reporting dashboards in Tableau with advanced calculations and parameters in an Agile/Scrum environment, delivering real-time sales analytics and business forecasts
- Streamlined Salesforce data integration workflows using Apex and SOQL queries, eliminating 50% of manual reporting tasks and improving data accessibility for 500+ end users

Business Intelligence Analyst – Accenture Oct 2021 - Apr 2024

- Designed end-to-end integrated BI reporting and forecasting solutions leveraging Tableau, SQL, Oracle, and data warehousing best practices, delivering actionable insights to 500+ stakeholders and reducing manual data processing efforts by 30%
- Constructed mathematical and statistical models for business forecasting and demand prediction, utilizing R for regression analysis, clustering, and time-series forecasting on complex multi-dimensional datasets
- Architected and maintained dimensional data models and star schema structures using SQL and Oracle databases to support analytical reporting, enabling efficient querying of 65,000+ customer records with sub-second response times
- Spearheaded large-scale data migration and ETL projects utilizing SOQL, Oracle, Python scripts, and validation frameworks to migrate 65,000+ customer accounts with 99% accuracy
- Collaborated with senior management and business stakeholders in Agile sprints to define KPIs, manage metrics reporting, and deploy self-service analytics solutions, improving decision-making speed by 30%

ACADEMIC PROJECTS

Predictive Analytics for Energy Demand Forecasting – Syracuse University Aug 2024 - Dec 2024

- Developed machine learning regression models and time-series forecasting algorithms using Python (scikit-learn, statsmodels) and R to forecast electricity demand, achieving R^2 score of 0.89 and reducing prediction error by 20%
- Performed advanced statistical analysis including feature engineering, hypothesis testing, and time-series decomposition on 50K+ historical energy consumption records, identifying temperature as the primary demand driver
- Constructed intelligent forecasting pipeline and interactive R Shiny web application with real-time data visualizations, enabling proactive capacity planning and resulting in 10% increase in user engagement

Global Tourism Data Analytics & Visualization – Syracuse University Feb 2025 - Apr 2025

- Performed exploratory data analysis and statistical modeling on 100K+ tourism records from UNWTO, IATA, and hotel booking datasets using Python (Pandas, NumPy, scikit-learn) and SQL, uncovering post-COVID travel pattern shifts
- Conducted clustering analysis and regression modeling on multi-dimensional datasets to identify revenue opportunities and forecast tourism recovery trends across 50+ countries
- Orchestrated dynamic interactive dashboards in Tableau featuring advanced visualizations to track metrics and KPIs for hospitality industry strategic planning, including 45% surge in online bookings

TECHNICAL SKILLS

- **Programming & Analytics:** Python (Pandas, NumPy, scikit-learn, statsmodels), R (advanced - dplyr, ggplot2, tidyverse), SQL (advanced), Java, Apex, Statistical Modeling, Forecasting, Time-Series Analysis, Regression Analysis, Clustering, Mathematical Modeling, Predictive Analytics, Hypothesis Testing, A/B Testing
- **Data Engineering & Cloud:** ETL/ELT Pipelines, Data Migration, API Development (REST/SOAP), AWS (S3, EC2, Lambda, RDS), Azure, SQL/MySQL/PostgreSQL/Oracle, Database Design, Data Modeling, Query Optimization,
- **Business Intelligence & Visualization:** Tableau (Desktop, Server), Power BI, R Shiny, Advanced Excel (VLOOKUP, Pivot Tables, Power Query), Automated Reporting, Metrics Dashboards, KPI Development, Data Governance, Agile/Scrum, Git, JIRA, Stakeholder Communication