

Milan Paremajalu Suresh

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SUMMARY

Business Analyst with 3 years of experience in **SQL, Power BI, Python, and Excel**, delivering data models, dashboards, and insights that drive business performance and decision-making. Skilled in **data extraction, cleaning, visualization, and forecasting**, with proven ability to translate business requirements into BI solutions that improve scalability and efficiency.

EDUCATION

W. P. Carey School of Business, Arizona State University

Aug 2024 – May 2025

Master of Science, Business Analytics

GPA : 3.88/4.0

Vidyavardhaka College of Engineering, India

Aug 2017 – Aug 2021

Bachelor of Engineering, Electronics and Communication

GPA : 7.87/10.0

PROFESSIONAL EXPERIENCE

Intern Business Analyst

Jan 2025 – May 2025

NewGrid Consulting

Arizona, US

- Delivered **\$1.5M+ in annual profit opportunities** by designing dashboards and forecasting models that integrated **15-min interval pricing and market trend data**, supporting leadership in strategic decision-making.
- Accelerated decision-making by **75%** by deploying an **end-to-end forecasting platform (Python, FastAPI, AWS S3)** that automated data ingestion, model retraining, and reporting.
- Streamlined reporting by **80%** by building **SQL/JSON pipelines**, enabling daily updates and validated datasets for analysis and reporting.

Analyst

Oct 2021 – May 2024

Accenture

Bengaluru, Karnataka, India

- Built and maintained **SQL/Power BI dashboards** to monitor KPIs and pricing trends, reducing reporting defects to **<5%** and supporting business performance reporting.
- Reduced integration testing costs by **90%** by creating a **Python/SQL automation tool**, strengthening data quality and improving reporting reliability.
- Partnered with business and technical teams to **document requirements, data flows, and metadata repositories**, improving traceability and accelerating deployments by **25%**.
- Enhanced reporting pipelines by applying **diagnostic analytics**, improving speed and reliability by **15%** for performance monitoring and analysis.

PROJECT EXPERIENCE

Arizona State University

Statistical Modeling & Optimization – Lego Vehicle Performance (DOE)

Nov 2024 – Dec 2024

- Optimized testing time by **30%** by applying ANOVA and DOE in Minitab, identifying key performance-impacting factors for structured problem-solving.

Decision Modeling – Optimizing Production and Profitability

Nov 2024 – Dec 2024

- Generated **\$77,000 net monthly profit** by building an **Excel Solver optimization model** to optimize resource allocation.
- Increased profitability by **25.4%** by providing actionable recommendations on resource reallocation and efficiency improvements.

Customer Insights & Retention Analysis – NLP

Jan 2025 – Mar 2025

- Projected a **15% churn reduction** by engineering a **BERTopic-based NLP model**, extracting insights from customer reviews to support targeted retention strategies.

SKILLS AND TOOLS

Programming & Modeling: Python, SQL, R, Pandas, NumPy, Scikit-learn, LightGBM, ETL, Machine Learning

Data Analysis & Visualization: Tableau, Power BI, Excel(VBA, Solver), KPI Reporting, Data Cleaning & Validation

Systems & Tools: SAP, Snowflake, Databricks, Git, Jira, VS Code, Jupyter, REST APIs

Business Tools & Methods: Business Intelligence, Data Storytelling, Reporting Automation, Stakeholder Communication

CERTIFICATIONS

AWS Cloud Practitioner Essentials

McKinsey- Forward Program

IBM Data Analytics with Excel and R