Akshita Gadiparthi

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SUMMARY

Operations Analyst currently pursuing a Master's in Business Analytics, specializing in data visualization, reporting, and driving strategic insights through data analysis. Experienced in creating dashboards, tracking performance metrics, and presenting data-driven recommendations to senior leadership. Strong ability to collaborate cross-functionally, support data-driven business decisions and work in agile environments. Strong attention to detail and prolific problem-solving. Enjoys playing with Big Data

EDUCATION

Trine University, **Phoenix, AZ**   **Feb 2024 - Dec 2025**
Master of Science in Business Analytics *(data analytics, mathematics, statistics, Big Data)*   **CGPA:** 3.7
Pennsylvania State University, **University Park, PA**   **Feb 2022 - Dec 2023**
Bachelor's in Science in Marketing *(business performance, project management, A/B Testing)*   **CGPA:** 3.75

TECHNICAL SKILLS

Programming Languages	Python (NumPy, Pandas, Matplotlib, Seaborn, TensorFlow, PyTorch, Hugging Face, LangSmith), SQL, R
Databases	MySQL, PostgreSQL, Oracle, Spark SQL, MongoDB, Google BigQuery, AWS RDS, SQLite, Plotly, Dash
Cloud & Big Data	AWS, Google Cloud Platform (GCP), Snowflake, Google BigQuery
Machine Learning & AI	Predictive Analytics, Classification Analysis, AI NLP, Data Cleaning & Validation, Evaluation Metrics, LLM Modeling, RAG, Time Series Modeling, Knime, Mendix, GPT, Data Manipulation, Query Optimization
Data Visualization & BI	Tableau, Power BI, Domo, Google Data Studio
Software & Tools	Microsoft Excel (Advanced), GIT, Looker, R, MATLAB, MS 365 Suite, Atlassian Suite (JIRA, Confluence, JSM), SAP S/4 Hana (SAP SD, PP, Variant Configuration)
Web & Scripting Tech	HTML, ERP, JavaScript
Other Skills	Point of Sale Systems, Consumer Analytics & Insights, Risk Management, Data Storytelling, Business & Performance Metrics, A/B Testing, Dashboard Design, Communication, Statistics, Time Series Analysis, project plans Problem-solving, Presentation skills, process optimization & Automation

WORK EXPERIENCE

Assistant Data Analyst | Python, Tableau, SQL   **Feb 2024 – Current**
Trine University   **Pheonix, AZ**
- Managed data streams and datasets, optimizing **database performance** and **automating reporting** using **SQL** and **Domo**
- Performed data pre-processing and **exploratory data analysis (EDA)** on a dataset of **100K** records, uncovering critical trends
- Improved data quality metrics by **15%** through effective cleaning techniques and validation processes
- Created visualizations using **Python** and **Tableau** to present insights, supporting data-driven decision-making among stakeholders

Assistant Business Analyst | Tableau, A/B Testing, Statistical, Analysis, SQL   **Jun 2024 – Aug 2024**
4Sight AI   **Remote, USA**
- Built interactive **Tableau** dashboards, tracking AI-driven metrics (latency, tokens, cost) and delivering insights to boost performance
- Led **A/B testing** and statistical analysis, optimizing AI-based marketing strategies, increasing ROI by **10%**
- Collaborated with teams to analyze datasets, extract insights, and present recommendations to senior leadership
- Streamlined **SQL** queries and migrated PostgreSQL functions to **GCP BigQuery**, enhancing scalability and performance

Marketing Analyst | Google Analytics, Power Query, SQL, AWS(Redshift, S3, RDS, Step Functions), Tableau   **Jan 2024 – Apr 2024**
Pinnacle Acquisitions   **Philadelphia, PA**
- Implemented **Google Analytics** tags on e-commerce websites and marketing campaigns to track business performance, user behaviour, improving conversion tracking, and customer service through marketing strategies.
- Used Power Query to automate data extraction and transformation, cutting report generation time by **30%**
- Collected, transformed, and validated **100K+ Rows** with **SQL** from distributors, loading it into **Amazon Redshift** from **S3** & **AWS RDS**
- Built **Tableau** dashboards on **RedShift** to track marketing KPIs like **CVR**, **CTR**, **CPC**, **CPA** etc improving efficiency by 25%

PROJECTS

Web Scrapping Visualisation | R, Python, Tableau   **Apr 2024 — Sep 2024**
- Built a web scraping pipeline using **Python, Beautiful Soup,** and **Pandas** to extract and structure restaurant data.
- Processed, cleaned, and exported the dataset as a CSV file, enabling **geospatial analysis** in **Tableau Public**.
- Designed an interactive restaurant map, leveraging **data aggregation** and filtering for dynamic exploration.

British Airways Data Science Job Simulation on Forage | R, Python, Tableau   **Feb 2025**
- **Scraped** and **analysed** 10,000+ customer reviews to uncover insights on passenger satisfaction and service improvements.
- Developed a **predictive model** with 85% accuracy to identify key factors influencing customer purchasing behaviour.
- Generated interactive visualizations using **Tableau/Matplotlib**, enabling data-driven decision-making for business improvements