Tharindu Abeysinghe

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PROFESSIONAL SUMMARY

Senior Data Analyst with 5+ years of experience designing analytical datasets, building business-facing dashboards, and translating complex data into actionable insights. Experienced working with SQL, Python, cloud data platforms, and BI tools in regulated and fast-paced environments. Strong collaborator with stakeholders, product owners, and engineers, with a proven track record of delivering production-ready analytics solutions.

TECHNICAL SKILLS AND EXPERTISE

Languages: SQL, Python
Data & Analytics: ETL, Data Modeling, Statistical Analysis
Databases: Google BigQuery, Microsoft SQL Server
BI & Visualization: Power BI, Tableau
Tools & Methods: GitHub, CI/CD, Agile
Productivity: Microsoft Excel, Microsoft Office

WORK EXPERIENCE

Senior Data Analyst (Full-Time) **Nov 2023 – Feb 2025**
Federal Reserve Bank of St. Louis**,** St. Louis, Missouri

- Designed and built analytical datasets by integrating data from SSRS, Oracle, and Excel using SQL and Python, enabling automated complexity analysis of regulatory reports submitted by financial institutions
- Built end-to-end Power BI dashboards by importing banking data from SQL Server and SharePoint, self-learning accounting principles to identify and implement appropriate financial metrics for monitoring banking conditions
- Automated data quality checks for bank-submitted reports, improving reliability and reducing manual review through Python scripts (Pandas, NumPy, datetime) developed in collaboration with stakeholders
- Saved approximately 20 staff hours per quarter by troubleshooting and enhancing Microsoft Excel analytics tools built with VBA and SQL

Business Intelligence Developer (Contractor/ Full-Time) **July 2021 – Feb 2023**
Equifax Workforce Solutions**,** St. Louis, Missouri

- Enabled reliable analytics by building/updating automated Python API pipelines triggered by cron jobs to ingest data from Aha and Jira into Google BigQuery (ETL)
- Delivered stakeholder-ready datasets by wrangling data with BigQuery SQL and Python, creating purpose-built views, and deploying them to production
- Built and delivered a Tableau Server–based MVP for expense prediction and monitoring by analyzing time-series financial data and completing a successful proof of concept
- Improved delivery efficiency by reducing testing time through clear documentation, delivering tools on schedule in an Agile environment, and partnering with the Product Owner on sprint planning
- Accelerated team onboarding and knowledge transfer by writing and maintaining clear, up-to-date technical documentation
- Prevented revenue loss by performing real-time transaction monitoring and delivering timely reporting to stakeholders

Data Scientist / Analyst (Freelance) **Dec 2018 – July 2021**
SPLIT Remote Sensing**,** Bowling Green, Ohio

- Performed exploratory data analysis of water quality reflectance measurements using Python libraries and Microsoft Excel
- Performed regression modeling between water quality parameters and satellite data with machine learning techniques using Python (Matplotlib, Scikit-learn, Pandas, and Numpy)
- Explored and selected features to predict water quality distribution using multiple statistical methods

Graduate Research/Teaching Assistant **Jan 2017 – Dec 2018**
Bowling Green State University, Bowling Green, Ohio

- Collected reflectance and UAV data in row crops (corn fields), processed images, and performed exploratory data analysis and regression analysis of vegetation and water quality data
- Conducted labs in Statistics and data analysis with Microsoft Excel applications (Regression, Pivot Tables, Charting), ArcGIS, and ENVI Systems for Undergraduate students
- Conducted an introductory field data collection and analysis workshop for students in Huron High School, Ohio (sponsored by USGS and AmericaView)

Geologist **May 2015 – Dec 2016**
MRL Graphite (Pvt) Ltd., Sri Lanka
- Collected field data of existing graphite mines and created database tables using SQL and Microsoft Excel (used Pivot Tables, Macros, VLOOKUP, and Formulas)
- Developed SQL queries to join tables, group, and filter data, and created views
- Extracted data from SQL database tables into CSV files and created graphite prospecting area maps using ArcGIS to recommend sites to open new graphite mines

EDUCATION
- Master of Science in Geology — Bowling Green State University, Bowling Green, Ohio
- Bachelor of Science in Geology — University of Peradeniya, Sri Lanka

RECENT PROJECTS | DATA ANALYTICS & BUSINESS INTELLIGENCE **Feb 2025 – Present**
Personal Investing and Analytics Initiative
- Developed an end-to-end investment analytics platform by integrating live market data and company fundamentals using a Python automated data pipeline
- Designed institutional-style Tableau dashboards to analyze portfolio allocation, growth classifications, equity valuation, and contribution accumulation across stocks and ETFs
- Leveraged business and financial analysis expertise to build a system that supports data-driven personal investment decisions, translating raw financial data into actionable insights for long-term portfolio strategy and risk management

Medicare Part D Plan Coverage & Cost Analysis
- Analyzed CMS Medicare Part D plan and formulary data using PostgreSQL to explore relationships between drug coverage breadth, premiums, deductibles, and contract structures
- Designed an interactive Tableau dashboard to compare plan-level drug coverage distributions, average coverage by contract, and coverage-cost trade-offs
- Applied data modeling fundamentals to identify table grain, manage large healthcare datasets, and create aggregated extracts optimized for visualization performance
- Interpreted healthcare domain concepts (contracts, plans, formularies, regions) to translate complex regulatory data into clear, decision-oriented insights
- Documented assumptions, limitations, and findings in a portfolio-ready GitHub project to demonstrate analytical reasoning and domain learning

PUBLICATION
- Abeysinghe, T., Simic Milas, A., Arend, K., Hohman, B., Reil, P., Gregory, A., Vázquez-Ortega, A. (2019). Mapping Invasive *Phragmites australis* in the Old Woman Creek Estuary Using UAV Remote Sensing and Machine Learning Classifiers. *Remote Sensing. 11*, 1380. https://www.mdpi.com/2072-4292/11/11/1380