

Ahmed L. Rashed

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| Lynn, MA | [LinkedIn Profile](#)

Summary

Data wrangler with over 10 years of experience in data mining and insightful analysis. Skilled with SQL, Python, and R to extract, transform, and analyze large datasets. Able to frame and break down complex business problems into key components and recommend practical solutions. Expert in deep-dive investigations to optimize processes.

Skills

Data Analytics: SQL, R, Python, Tableau, Power BI (PowerQuery, DAX), Statistics, Excel (XLOOKUP, PivotTables, Slicers).

Database & Project Management: EDA, ETL, SQL Server, Azure Data Studio, Google BigQuery, Agile, Scrum, JIRA, Git.

Business Intelligence: Requirements gathering, technical specifications, problem-solving, analytical skills, continuous improvement, data visualization, root-cause corrective actions, turning questions into queries and data into insights.

Certifications

- Google Advanced Data Analytics Certificate (09/23)
- Google Data Analytics Certificate (07/23)

Experience

- Consultant* **HENNY PENNY** Eaton, OH 11/2022 - present
- Created various Python scripts (numpy, pandas) using SQL (complex joins) to extract and analyze factory data, enhancing build quality and saving Mfg engineers over 15 hours each week in manual data manipulation.
 - Collaborated with test engineers to analyze/identify opportunity areas, reducing failure rates from 35% to 2%.
- Consultant* **GRANVILLE-PHILLIPS** Broomfield, CO 09/2022 - 01/2023
- Implemented Python predictive analytics (Scikit-learn) to device telemetry streams to pre-emptively capture CTQ device faults before Final Test, cutting rework times by 25% and increasing throughput efficiency by 10%.
 - Deployed real-time Statistical-Process-Control dashboards, improving first-pass-yield rates from 75% to 95%.
 - Added EtherCAT comm to the 352 Ion Gauge system using LabVIEW OOP, doubling test stand capacity.
- Principal Test Engineer* **MKS INSTRUMENTS** Methuen, MA 03/2021 - 06/2022
- Extracted and extrapolated Mfg test data using Python, SQL, and Excel for monthly quality reports, preventing over \$50,000 in lost annual revenue by catching product quality defects BEFORE they leave the factory floor.
 - Monitored key performance metrics and used data to identify actionable opportunities to increase efficiency and make high-quality decisions that drive performance improvements, boosting first-pass yields by 33%.
 - Upgraded >50% of production software to central SPC system, reducing test post-processing time by 15%.
- Senior Test Engineer* **MKS INSTRUMENTS** Methuen, MA 09/2011 - 02/2021
- Connected Tableau dashboards to centralized data-pipelines for real-time production data tracking, improving average time-to-bug-fixes by 20% and highlighting time-sinks in factory work flows.
 - Built out the data and reporting infrastructure using Tableau and SQL to track production yields and failure modes, saving test engineers over 10 hours weekly in diagnostics and manual reporting.

Education

Master of Arts:	Physics	BRYN MAWR COLLEGE	2003
Bachelor of Science:	Physics	UNIVERSITY OF MARYLAND BALTIMORE COUNTY	1999