Muhammad Ali

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[MicroAnalysis Ltd](#)
Lead Data Analyst (December 2022 - October 2023)

- Led consultancy engagements with industry stakeholders.
- Collaborated with internal/external stakeholders for complex projects that had requirements changing on a daily basis
- Applied analytical methodologies to formulate precise, data-driven decisions, resulting in the development of more efficient processes.
- Extracting insights from datasets and employing data visualisations to articulate and communicate findings effectively to non-technical stakeholders.
- Addressed stakeholder objectives by crafting comprehensive reports and presentations, integrating data visualisations such as contour plots and scatter plots to convey key insights and findings.
- Provided tailored solutions, utilising data analysis expertise and strategic guidance.

[Swansea University](#)
Lead Research Analyst (August 2022 - Present)

- Conducted data analysis to identify stakeholder challenges to formulate effective solutions.
- Spearheaded the planning and design of data projects, establishing clear objectives and methodologies, while supervising a multidisciplinary team to deliver public and internal projects.
- Led a team of analysts and researchers to enhance analytical tools and diverse data sources, ensuring effective analysis data capture and improved overall data quality.
- Used SQL to manipulate and analyse large datasets to generate insights, contributing directly to a 67% reduction in manufacturing costs.
- Utilised data visualisation techniques to facilitate project communication with non-technical stakeholders and efficiently track performance across projects.
- Compiled and formatted data insights, resulting in 10 published articles in various outlets.

[Swansea University](#)
Research Associate (August 2021 - August 2022)

- Collaborated with stakeholders and multi-disciplinary teams, and established a streamlined workflow across UK and international teams.
- Analysed datasets, extracting crucial insights and findings, contributing to achieving a 2.5% increase in profits.
- Developed visually impactful presentations and reports to communicate complex technical insights to stakeholders with technical and non-technical backgrounds.
- Adhered to ISO 9001 and ISO 13485 standards to deliver projects at varying phases.
- Conducted weekly reviews, analysing complex data and collaborating with multidisciplinary teams to generate project insights.
- Prototyped an integrated data acquisition system and provided handover to our applications team.

[Swansea University](#)
Research Assistant (October 2020 - August 2021)

- Strategically orchestrated project workflows and documentation, optimising project delivery.
- Employed analysis tools and developed Python scripts for data analysis, contributing to a 29% improvement in performance metrics.
- Conducted in-depth research on data-driven projects, employing analytical techniques for insightful outcomes.
- Implemented data validation processes, ensuring accuracy and reliability for optimal decision-making.

Skills

SQL, Excel, Python, Tableau, MATLAB, Stakeholder Management, Project Management, Data Analysis, Data Cleaning, Data Validation, Agile Methodology, Word, PowerPoint, Critical Thinking, Strategic Planning, Team Collaboration

Certifications

Google Data Analytics Professional Certificate (2023)

Swansea University - Nanotechnology PhD (2017 - 2023)

Swansea University - Medical Engineering BEng (2014-2017)