

# Muhammad Ali

Data analyst with a deep passion for transforming complex datasets into actionable insights. Strongly confident in Python, Excel, and SQL, focusing on data analysis, programming, and visualization. Brings a dynamic approach to problem-solving and eagerness to contribute to collaborative projects. Committed to continuous learning, excited about applying skills and enthusiasm for data analysis in a dynamic team environment.

## Work Experience

### Catch22 Ltd – Admin and Data Analyst (March 2023 – Present)

- Developed a complex case management system in Excel to track company targets, case assignments, case status (active/inactive) and company figures, handling over 1600 rows of data.
- Integrated an accompanying dashboard to showcase key performance figures for stakeholders and senior management.
- Coded an application to merge multiple .csv files into one, significantly reducing the time required for this daily task by over 90% and streamlining data consolidation processes, which has been adopted company wide.
- Maintained a comprehensive Excel document to display monthly performance figures, with providing ongoing support and management of the document.

### Swansea University – Research Analyst (October 2020 – November 2023)

- Managed a team of analysts and researchers, propelling enhancement of analytical tools and diversification of statistical data sources, decreasing manufacturing costs by 67%.
- Administered executive decisions and managed a team of analysts and researchers, achieving project deliverables that captivated stakeholders.
- Manipulating and analysing large datasets using SQL and Excel, resulting in a 29% improvement in performance metrics.
- Drove dynamic collaboration across 10 stakeholders and multidisciplinary teams, architecting an agile workflow that seamlessly spanned UK and international boundaries.
- Oversaw weekly reviews, orchestrating the analysis of complex data and fostering collaboration with multidisciplinary teams to generate key project insights.
- Guided and supervised over 15 analysts with tailored feedback and development plans, swiftly improving performance and reducing the need for ongoing oversight.
- Showcasing impactful research outcomes through formatting data insights and compiling statistical data, attaining over 10 scientific publications at various outlets.
- Meticulously analysed datasets, identifying key statistics, and uncovering pivotal insights and findings, resulting in a 2.5% increase in profitability.
- Automated 7 manual processes using Python scripts, reducing analysis time by 95%

### MicroAnalysis Ltd – Data Analyst (December 2022 – October 2023)

- Orchestrated high-impact consultancy projects with 5 industry stakeholders, consistently surpassing expectations, whilst maintaining flexibility as requirements changed daily.
- Developed impactful stakeholder engagement through strategic meetings, ensuring alignment with project goals, fostering collaboration, and enhancing overall satisfaction.
- Employed data validation methodologies, leading to precise, data-driven decisions that significantly enhanced operational processes.
- Addressed stakeholder objectives by crafting comprehensive reports and presentations, conveying key statistics and insights.


## Projects

### Data-Driven Optimization for Point-of-Care Hepatitis Diagnostics


- Enhanced dataset quality for hepatitis diagnostics through meticulous cleaning and preparation, ensuring accurate and reliable analysis.
- Applied statistical methods and pattern recognition techniques to identify trends and correlations within diagnostic data to develop data insights.
- Generated comprehensive reports and data visualizations to effectively communicate findings to both technical and non-technical stakeholders, facilitating informed decision-making.

## Contact:

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 <https://www.linkedin.com/in/mali939/>

 <https://munem939.github.io/portfolio/>

## Education:

**Swansea University (Oct 2017 – Nov 2023)**  
Engineering PhD

**Swansea University (Oct 2014 – Jul 2017)**  
Medical Engineering BEng

## Certifications:

Google Data Analytics Professional  
Certificate (2023)

## Hard Skills:

Data Processing  
Data Analysis  
Data Visualisation (Tableau, Power BI)  
Report Writing  
SQL  
Excel  
Python

## Soft Skills:

Analytical Thinking  
Communication  
Problem-Solving  
Attention to Detail  
Team Collaboration  
Adaptability  
Stakeholder Management  
Conflict Resolution

## Tools:

SQL  
Microsoft Excel  
Python  
MATLAB  
Tableau and Power BI  
Microsoft Word  
Microsoft PowerPoint  
Microsoft Outlook

## Hobbies:

In my free time, I enjoy maintaining my physical well-being with regular gym workouts and enjoy playing collaborative video games, where I coordinate with 7 teammates for dynamic tasks. Additionally, my enthusiasm for the tech industry drives me to stay current on the latest news and releases.