

Kwabena Danso NTIM

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Website: https://kntim-dev.github.io/Portfolio_Website/

GitHub: <https://github.com/kwabs21/Projects.git>

PROFESSIONAL SUMMARY

Accomplished Data Analyst and Engineer with over seven years of diversified experience spanning engineering, project management, sales, and advanced data analytics. Adept at transforming complex datasets into actionable insights using Python, Excel VBA, Power BI, and SQL while maintaining robust industry standards. Proven track record of driving operational efficiencies, optimizing workflows, and delivering data-driven solutions across mining, construction, education, retail, and non-profit sectors. Recognized for strong stakeholder management, innovative problem solving, and ethical data handling.

TECHNICAL SKILLS

- Programming & Data Manipulation:

Python (Pandas, NumPy, Matplotlib, Scikit-Learn, Django), SQL

- Automation & Scripting:

Excel VBA, Python

- Data Visualization & Reporting:

Power BI, Excel (advanced formulas, pivot tables, dashboards), SPSS, PowerPoint

- Database Management:

MySQL, SQLite, Access

- Platforms & IDEs:

Visual Studio Code, Jupyter Notebook, Google Colab, PyCharm

- Soft Skills:

Excellent Communication, Strong Stakeholder & People Management, Rapport Building

PROFESSIONAL EXPERIENCE

Graduate Trainee – Perseus Mining Ghana Limited

- Developed and implemented automated Excel VBA and Power BI dashboards to track ore movements, stockpile classifications, and production metrics in real time — improving data accuracy and decision turnaround by over 30%.
- Consolidated and analyzed geological and production data to identify trends, verify field results, and support daily operational decisions with clear, data-driven insights.

Freelance Engineer / Data Analyst

- Provided on-site geological support and utilized advanced statistical analysis and machine learning to address project challenges.
- Ensured ethical data handling and compliance with industry standards to guide strategic decision-making.

Consultant – TonyCee Mining Services

- Conducted comprehensive operational appraisals and used data science methodologies to optimize workflows, resulting in a 17% reduction in project costs.
- Generated detailed, data-driven reports with visualizations that facilitated transparent and effective stakeholder decisions.

Project Supervisor – Yoliana Services

- Managed and delivered multiple fibre installation projects while ensuring strict adherence to safety and quality standards.
- Streamlined project timelines and monitored performance metrics, significantly enhancing operational efficiency.

Sales Manager – Lebencon Company Limited

- Developed and executed strategic sales plans that consistently exceeded targets by over 15% annually while expanding the client base.
- Leveraged data analytics to refine sales tactics, forecast trends, and boost overall team performance.

Data Analyst / Process Optimization Specialist – Tillit Early Child School

- Automated attendance tracking and performance reporting using advanced Excel tools and Python-based data integration.
- Collaborated with school leadership to streamline administrative processes and reduce manual errors.

Geological Engineer (National Service) – AngloGold Ashanti-Iduapriem

- Conducted geological surveys and analyses, incorporating data techniques to support effective geological modelling and mineral exploration.
- Generated performance reports and monitored environmental factors to ensure compliance with regulations and inform executive decisions.

Database Manager & Data Analyst – The Fruitful House (Church/Non-Profit)

- Managed and maintained comprehensive databases to ensure the accuracy of donor and membership records.
- Developed custom Excel tools with VBA automation and created interactive Power BI dashboards for strategic planning.

Data Analyst / Reporting Specialist – NY Essentials (Retail – Baby Items)

- Designed dynamic sales dashboards to monitor inventory, sales trends, and promotional performance using Power BI and Excel.
- Implemented Python routines for data consolidation, leading to improved stock management and actionable customer insights.

Data Analyst / Process Improvement Consultant – Justly Gifts (Seasonal Gifts Retailer)

- Engineered seasonal forecasting models and automated routine data tasks using Excel, VBA, and Python, thereby accelerating report generation during peak periods.
- Developed engaging Power BI dashboards to monitor campaign effectiveness, customer engagement, and overall sales performance.

PROJECTS

GitHub Portfolio

For full project details and code samples, please visit <https://github.com/kwabs21/Projects.git>

• Facial Recognition for Employee Attendance

Implemented a facial recognition system to automate employee check-ins, optimizing staffing levels and productivity.

• Automated Mail Update

Developed an automated solution to streamline organizational communication and reduce routine email tasks.

• Economic Analysis & Financial Forecasting

Conducted in-depth economic data evaluations with visual representations to understand policy impacts and forecast financial trends.

- **Advisor for UMaT Drillbotics Team**

Provided technical guidance and code debugging expertise, leading to more efficient project outcomes.

- **Reclamation Project**

Utilized advanced data analysis libraries and techniques (Pandas, NumPy, Matplotlib, Seaborn, Scikit-Learn) to assess project feasibility, achieving a 17% reduction in operational costs.

CERTIFICATIONS

- BSc. Geological Engineering Certificate (Second Class Upper) – Kwame Nkrumah University of Science and Technology (KNUST)
- Data Analytics Certificate – Bond University
- Microsoft Excel Macros and Excel VBA Certificate, Data Visualization, Excel Charts & Graphs Certificates
- QGIS Certificate – Central University of Karnataka, State Institute of Urban Development (India)
- ISO 45001: Occupational Health and Safety Management System Certificate

LANGUAGES

English (Native) | French | Akan

REFERENCES

Available upon request