BENSON OSEI TUTU

Data Scientist | Data Analyst | Python, R, SQL, Visualization|
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PROFESSIONAL SUMMARY

Experienced IT and data analytics professional with 5+ years in system administration, database management, and reporting. Proven ability to manage and optimize Linux servers, MySQL databases, and enterprise platforms to ensure performance, security, and uptime. Holds a Master of Science in Analytics from American University with strong practical skills in Python, SQL, R, machine learning, and data visualization tools such as Power BI and Tableau. Known for being analytical, adaptable, and with proven ability to work independently and remotely, managing projects, meeting deadlines, and collaborating effectively across distributed teams.

EXPERIENCE

University of Ghana Computing Systems - UG Legon
Database Administrator | Oct 2021 – Aug 2024

- Wrote SQL queries and generated reports for decision-making, while documenting workflows to support remote staff and future administrators.
- Used SQL to query MySQL databases for system audits, performance monitoring, and generating usage reports.
- Demonstrated accountability and self-management by independently managing high-availability infrastructure projects.
- Partnered with 5+ academic units and IT teams to translate data requirements into SQL queries and automated reports, reducing manual reporting time by 30%.
- Supported 10+ research projects by designing ad hoc SQL queries and delivering datasets of 50K+ records cleaned and formatted for analysis in R and SPSS, enabling timely insights for management.

School of Information and Communication Studies - UG Legon
Senior ICT Assistant | Oct 2011 - Sep 2021

- Trained students in SPSS (statistical modelling) and NVivo (qualitative analysis) to apply analytics methods in research projects.
- Developed and delivered workshops on data cleaning, statistical modelling, and text analysis using SPSS and NVivo.
- Supported student projects by providing guidance on data interpretation and best practices in applying analytics tools.

Accra - Ghana
Freelance Data Analyst/Scientist | Oct 2011 - Aug 2024

- Developed predictive models using R and Python that improved decision-making for many business clients.
- Conducted exploratory data analysis (EDA) and segmentation to identify key trends and outliers, increasing reporting efficiency.
- Translated complex data into visuals using Tableau and Power BI, enhancing stakeholder understanding and presentation impact.
- Performed data analysis across diverse industries for multiple clients, leveraging Python, SQL, Excel and SPSS to deliver actionable insights for informed key business decisions.

EDUCATION

American University, Kogod School of Business	Washington, DC
MS Analytics	*Dec 2025*
University of Ghana, Department of Computer Science	Ghana, Accra
MAS Computer Science	*Aug 2019 – Oct 2020*
Unversity fo Ghana, Department of Computer Science	Ghana, Accra
BS Computer Science and Statistics	*Aug 2005 – July 2009*

TECHNICAL SKILLS

- **Programming & Data Tools:** Python, SQL, R, Pandas, NumPy, Matplotlib, SPSS
- **Databases:** MySQL (design, tuning, replication, administration)
- **Data Integration:** ETL, data cleaning, automation, API integration
- **Visualization:** Tableau, Power BI
- **Systems & Cloud:** Linux (RedHat, Ubuntu), Microsoft Azure (AI-900 Certified)
- **Other Tools:** Git, Grafana, Prometheus, Excel