Precious Kammelu

Data Analyst / BI Analyst • Power BI, SQL, Python, Automation

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PROFESSIONAL SUMMARY

Data Analyst and Computer Science Honours graduate (York University, 2026) who turns raw data into dashboards, tools, and automation that drive decisions. Experienced building Power BI dashboards and reporting assets, SQL-backed data models, and workflow automation across public-sector, healthcare, and operations contexts. Strong at data cleaning, stakeholder communication, and end-to-end ownership, with hands-on work in Power BI (PBIX/PBIP), Python, Excel/VBA, Azure, and the Microsoft Power Platform.

CORE COMPETENCIES

Power BI Dashboards & Reporting | SQL & Data Modeling | Data Cleaning & Quality | Automation & Workflow Optimization | Stakeholder Communication | Python & Excel/VBA Analysis | Microsoft Power Platform & Azure | Geospatial & Qualitative Analysis

WORK EXPERIENCE

Ontario Public Service - Land and Resources I&IT

May 2024 - Aug 2024

Data and Advanced Analytics Assistant (Co-op)

Toronto, ON

- Built and maintained Power BI dashboards and reports for ministry stakeholders and modernized reporting by cleaning and converting legacy Power BI files (PBIX) to Power BI Projects (PBIP).
- Sole builder of an internal Azure Resource Management app adopted by ministry staff, with a PowerApps front-end (canvas and model-driven), Dataverse data model, and Power Pages forms for structured intake.
- Automated request lifecycles with Power Automate cloud flows (approval chains, notifications, scheduled and event-triggered processing), improving consistency and reducing manual effort.
- Developed a wildfire spread prediction proof of concept using ignition-point and nearby weather station data to support faster, more targeted response planning.
- Delivered a resource manager for Azure that enabled efficient resource management and saved thousands of dollars monthly on unutilized resources.

The Inclusivity Institute for Better Data (IIBD)

Jan 2024 - Mar 2024

Data Analyst Intern

Remote

- Researched and analyzed data on Black renter experiences in the GTA, applying a mathematical sampling model to large datasets.
- Developed a comprehensive, interactive QGIS map with filterable selections to visualize housing trends and provide actionable insights for renters and stakeholders.
- Communicated findings clearly to support data-informed understanding of areas of concern and potential solutions.

Data Lead Africa (JHPIEGO / Johns Hopkins-funded Project)

Jun 2022 - Aug 2022

Assistant Data Analyst (Internship)

Abuja, Nigeria (Remote collaboration)

- Analyzed qualitative public health data on access to and uptake of HIV testing, care, and treatment services (Key Informant Interviews and Focus Group Discussions).
- Collaborated with 10+ analysts using NVIVO to develop codebooks and synthesize findings, contributing to a 25% faster turnaround on analysis and report creation.
- Produced structured reports and clear narratives to support stakeholder decision-making.

Ceekam Nigeria Limited

Jun 2023 - Aug 2023

Financial Data Analyst (Internship)

Abuja, Nigeria

- Built detailed transaction and expense tracking spreadsheets and generated client quotations based on received orders.
- Automated manual auditing processes in Excel/VBA, resulting in a 40% time reduction in the auditing process.

Edventive - The Teacher Productivity Platform

Feb 2024 - Apr 2024

Data Research Analyst (Co-op)

Remote

- Analyzed SEO strategy effectiveness, identified gaps, and developed an implementation plan for on-page and off-page optimization.
- Monitored and reported progress to support data-driven content and outreach decisions.

PROJECTS

Service Booking and Consultation Platform (Open Source, Jan 2026 - Apr 2026)

Designed a full-stack platform for booking services and consultations, including an AI chatbot for customer inquiries and comprehensive documentation.

Tech: Python, FastAPI, React, LLM integration, REST APIs

CAMLDS Applied ML Projects (Centre of Applied Machine Learning and Data Science)

Built multiple end-to-end machine learning projects and Streamlit apps during CAMLDS (Oct 2026 - Nov 2026, hybrid): Telco Customer Churn analysis/app; Bank Marketing Subscription Predictor; Employee Attrition Predictor; Student Performance Predictor; and Merged Games Hit Predictor (hit target: Global Sales >= 1.0M) with data preparation/EDA, model pipelines, evaluation artifacts, and saved models. Completed additional capstones, labs, and assignments across supervised/unsupervised learning and recommender systems.

Tech: Python, pandas, NumPy, scikit-learn, matplotlib, seaborn, Streamlit, joblib, Jupyter notebooks

GTA Housing Insights Map

Built an interactive, filterable geospatial map visualizing housing trends across the GTA to provide insight for renters.

Tech: QGIS, data analysis, sampling, data visualization

Trading Bot (Signal Automation, Nov 2024 - Dec 2024)

Automated trading signal scraping from designated channels, source filtering, and transaction execution via platform APIs.

Tech: Python, REST APIs, automation scripts, real-time data processing

Home Server & NAS (Proxmox Lab, prototype Jan 2025, main Jun 2025, ongoing maintenance)

Built and configured a Proxmox VE environment with LXCs/VMs for storage and self-hosted applications, including GPU passthrough for hardware-accelerated workloads.

Tech: Proxmox VE, LXC, KVM, Linux, Docker, NVIDIA GPU passthrough (CUDA), networking

EDUCATION

AI/ML Certification Course, Centre of Applied Machine Learning and Data Science (CAMLDS) — Oct 2026 - Nov 2026

Hybrid, lab-based coursework: pandas essentials; EDA and visualization; supervised learning framing (splits, baselines, data leakage, bias-variance); linear/logistic regression, regularization (L1/L2), and gradient descent concepts; decision trees and ensembles (random forests, gradient boosting); model evaluation and error analysis (confusion matrix, precision, recall, F1, ROC-AUC, thresholds); cross-validation, tuning, pipelines, and feature engineering; unsupervised learning (k-means, hierarchical clustering, PCA, anomaly detection); and recommender systems (collaborative filtering). Tools: Python, pandas, NumPy, scikit-learn, matplotlib, seaborn, Streamlit.

BA Computer Science (Honours), York University — 2022 - 2026

Relevant coursework: Introduction to Database Systems, Fundamentals of Data Structures, Design and Analysis of Algorithms, Elementary Probability, Applied Linear Algebra, Introduction to Artificial Intelligence & Logic Programming, Software Design, Embedded Systems.

Data Analytics Bootcamp / Certification — Completed

Training in SQL, Python for data analysis, statistics, data visualization, and business intelligence tooling.

SKILLS

Data & BI: Power BI (dashboards, reports, PBIX/PBIP), SQL, data modeling, data cleaning, data quality, QGIS, data visualization

Programming & Analysis: Python (Pandas, NumPy), Excel (advanced, VBA), statistics, hypothesis testing, R, Java, Go, C

Cloud & Automation: Azure, Databricks, Microsoft Power Platform (Power Apps, Power Automate, Power Pages, Dataverse), REST APIs, Git, CI/CD concepts

Databases & Tools: PostgreSQL, Linux, Docker, Proxmox VE (LXC/KVM), NVIDIA/CUDA GPU passthrough, NVIVO, STATA, SPSS

VOLUNTEER & LEADERSHIP

Onyx Initiative Scholar - mentorship program focused on thriving in corporate Canada.

Black Boys Code / Black Kids Code Mentor & Tutor - led workshops, tutored Python and Mathematics, and mentored students in tech pathways.

York University Teaching Assistant (NATS 1810 - Energy) - organized weekly study sessions; class average increased by 20.08% compared to the previous year.