BRUNO MAISIBA BOSIRE

Data Analyst | Predictive Modeling | Data Visualization | ML Engineer | Python & SQL

+254716981689   maisibabruno@gmail.com   Nairobi

Summary

I'm a tech professional with a solid background in computer science and practical experience in data analytics, AI, and machine learning. I enjoy diving into complex datasets to uncover insights, build predictive models, and create smart systems that help people make better decisions and improve how things run. I'm skilled in Python, SQL, and data visualization tools like Power BI and Tableau, and I've worked on projects across cybersecurity, IoT, and aviation. I'm especially passionate about using AI and ML to tackle real-world challenges, build innovative solutions, and make a meaningful impact especially in fast-paced, high-growth environments.

Education

Kabarak University
Bachelor of Science In Computer Science

Nakuru, Kenya
01/2020 - 01/2024

Kiage Tumaini High School

Kisii, Kenya
01/2016 - 01/2019

Experience

Code Shop Technologies
Data Analyst

Karen, Nairobi
06/2023 - 09/2023

- Spearheaded comprehensive data analysis projects, resulting in a 10% reduction in business losses and a 20% increase in solar product sales over a 3-month period.
- Conducted in-depth exploratory data analysis (EDA) on solar sales data, analyzing over 10,000 transactions to identify key trends and patterns. Performed trend analysis on sales, profit, and loss data from 2013-2023, processing 10 years of historical data to forecast future performance.
- Developed and implemented predictive models using Python and SQL, achieving 85% accuracy in sales forecasting. Created 5 interactive dashboards using Power BI and Tableau, increasing data accessibility for stakeholders and reducing report generation time by 20%.
- Optimized data collection processes, improving data accuracy by 15% and reducing data processing time by 25%

Cybersecurity & Information Security

- Security Principles & Incident Response (CC Domain 1 & 2) Certification - January 2025
  - Mastered core security principles and risk management frameworks
  - Advanced incident response and business continuity planning
  - Disaster recovery implementation and management
- Cybersecurity Foundations: GRC - LinkedIn Learning (2.8 CPE Credits) - January 2025
  - Governance framework implementation
  - Risk assessment and management methodologies
  - Compliance program development and monitoring
- Deloitte Cyber Security Job Simulation - January 2025
  - Hands-on experience with security incident analysis
  - Threat detection and response strategies
  - Security control implementation
- Introduction to the Cyber Kill Chain - LinkedIn Learning - June 2024
  - Advanced threat detection and analysis
  - Attack pattern recognition
  - Incident response coordination
- Ethical Hacking - Cisco - November 2024
  - Penetration testing methodologies
  - Vulnerability assessment
  - Security control evaluation

Data Science & Analytics
- British Data Science - January 2025
  - Advanced web scraping techniques
  - Predictive modeling for customer behavior
  - Data-driven business insights
- Deloitte Data Analytics & Forensic Technology - January 2025
  - Forensic data analysis
  - Advanced analytical techniques
  - Evidence-based investigation methods

Networking CCNA
- Network architecture and security
- Infrastructure management
- System optimization

Skills

- Python, SQL, EDA (
- Data analytics and machine learning modelling
- Power BI, Tableau, Data Visualization
- Predictive Modeling, Trend Analysis
- Incident Response, Threat Detection
- GRC (Governance, Risk, Compliance)
- Vulnerability Assessment
- Log Analysis, Security Monitoring
- CCNA, Network Security
- Linux
- Docker
- Git

Languages

English

Swahili

Data Analysis & Business Intelligence

- British Airways Customer Sentiment Analysis (2025)
  - Developed Python-based web scraping system to extract customer review data from Skytrax
  - Implemented advanced text analytics and sentiment analysis on customer feedback
  - Created topic modeling algorithms to identify key customer concerns
  - Built data visualization dashboard for presenting insights to board members
  - Impact: Uncovered actionable patterns in customer feedback that influenced business decisions
- Aviation Safety Analysis System (2023)
  - Analyzed 5,000+ historical crash records using Python
  - Implemented secure data handling protocols for sensitive information
  - Created encrypted database for storing critical safety data
  - Developed automated threat detection system for anomaly identification
  - Impact: Identified key safety improvement opportunities while maintaining data confidentiality

Cybersecurity & Infrastructure

- Daikibo Industrial Security Incident Analysis (2024)
  - Led investigation of potential security breach in industrial telemetry system
  - Analyzed web request logs to identify suspicious automated API access patterns
  - Performed forensic analysis of internal network traffic and user authentication sequences
  - Detected unauthorized data exfiltration through pattern recognition in log files
  - Impact: Successfully identified breach vector and compromised credentials, enabling immediate security remediation

- IoT Smart Water System Security Implementation (2023)
  - Developed secure IoT architecture reducing water wastage by 30%
  - Implemented end-to-end encryption for sensor data transmission
  - Created intrusion detection system for monitoring unauthorized access
  - Conducted vulnerability assessments and penetration testing
  - Impact: Zero security breaches while maintaining system efficiency
- Security Log Analysis & Monitoring Platform (2023)
  - Designed automated log analysis system using Python and Splunk
  - Implemented real-time threat detection algorithms
  - Created custom dashboards for security incident visualization
  - Reduced false positive alerts by 40%
  - Impact: Decreased incident response time by 60%
- Smart Waste Management Security Framework (2023)
  - Architected secure communication protocol for IoT waste sensors
  - Implemented role-based access control system
  - Developed encrypted data storage solution
  - Created automated security audit trails
  - Impact: Optimized collection routes while maintaining data security, reducing fuel costs by 20%