CHESHI EMMANUEL DANJUMA

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PROFESSIONAL SUMMARY

Analytical and results-oriented Data Scientist and Data Analyst with strong experience in extracting actionable insights from complex datasets. Skilled in data cleaning, exploration, and visualization using tools such as Python, SQL, Power BI, Excel, and SPSS. Adept at applying statistical methods and machine learning techniques to support evidence-based decision-making. Proven ability to communicate data findings clearly through interactive dashboards and reports. Successfully contributed to various projects, including resume screening systems, face recognition apps, and text-to-speech solutions. Passionate about using data to solve real-world problems and drive innovation.

CORE COMPETENCIES

- Data Cleaning & Preprocessing
- Exploratory Data Analysis (EDA)
- Data Visualization & Reporting
- Statistical Analysis & Hypothesis Testing
- Machine Learning & Predictive Modeling
- Business Intelligence (BI)
- Dashboard Design (Power BI, Excel)
- SQL & Database Management
- Python for Data Science
- Research Methodologies (Quantitative & Qualitative)
- Model Deployment & Evaluation
- SPSS & Statistical Tools
- Data-Driven Decision Making
- Problem Solving & Critical Thinking
- Project Management & Collaboration

WORK EXPERIENCE

DATA ANALYST
Elint Systems Limited | *November 2024 – Present*
- Conduct in-depth analysis of complex datasets from the oil & gas, energy, and aviation industries to uncover actionable insights for business strategy.
- Design and maintain intuitive dashboards and predictive models to monitor KPIs, detect anomalies, and forecast industry trends.
- Develop customized analytical reports and data visualizations tailored to stakeholder needs, enabling data-informed operational decisions.
- Ensure high data integrity and compliance with industry data governance standards throughout all analysis workflows.

DATA SCIENCE/ANALYSIS INSTRUCTOR
Abuja Data School | *September 2024 – Present*
  • Facilitate immersive training sessions in Excel, Power BI, SQL, Python, and SPSS, using a curriculum focused on practical, real-world applications.
  • Design and deliver interactive exercises and project-based learning modules to reinforce theoretical concepts with hands-on practice.
  • Offer personalized coaching and mentorship to learners, addressing individual challenges and fostering skill growth.
  • Monitor participant progress and assess performance through continuous evaluation and feedback mechanisms.

LEAD DATA SCIENTIST
BlueHouse Technologies | *January 2024 – December 2024*
  • Led the development and deployment of robust machine learning models to address business challenges in sales, customer retention, and operations.
  • Built data pipelines and ensured data quality across systems, improving the accuracy and reliability of analytical outcomes.
  • Supervised and mentored junior data scientists, conducting code reviews, sharing best practices, and guiding professional development.
  • Collaborated with cross-functional teams to align data science projects with organizational goals and drive data-driven transformation.

DATA ANALYTICS MENTOR
Tech Sisi | *July 2024 – January 2025*
  • Mentored aspiring data professionals through virtual classes in Excel, Power BI, SQL, Python, and Machine Learning, incorporating real-life datasets.
  • Developed a structured curriculum that combined theoretical knowledge with practical, hands-on experience in industry-standard tools.
  • Guided participants through real-world projects, from data wrangling and analysis to presentation of insights using visual storytelling.
  • Created an inclusive learning environment, encouraging collaborative problem-solving and peer-to-peer learning.

DATA ANALYSIS INSTRUCTOR
Corestream Nigeria | *June 2024 – December 2025*
  • Delivered comprehensive training on Excel, Power BI, SQL, and Python, focusing on their application in data preparation, analysis, and visualization.
  • Organized project-based learning environments where students handled real datasets and built end-to-end analytical reports.
  • Provided regular feedback and skill assessments to track learner progress and enhance understanding.
  • Cultivated analytical thinking and storytelling abilities by encouraging students to interpret data in meaningful, business-relevant ways.

FULL STACK DATA SCIENCE FACILITATOR
10Alytics Ed-Tech Hub | *July 2023 – November 2023*
- Taught fellows the full data science pipeline, including data acquisition, cleaning, feature engineering, model training, and deployment.
- Conducted in-depth sessions on Python and core libraries like Pandas, NumPy, Scikit-learn, and Matplotlib for hands-on coding experience.
- Guided learners in deploying machine learning models and monitoring performance metrics to optimize predictive outcomes.
- Reviewed project submissions and gave tailored feedback to ensure understanding of core concepts and industry expectations.

DATA SCIENCE INSTRUCTOR
Code Plateau Hub | *September 2022 – January 2024*
- Delivered structured lessons on Python and key data science libraries, focusing on both foundational and advanced concepts.
- Facilitated hands-on learning through capstone projects, where students tackled real-world challenges using data-driven solutions.
- Provided personalized mentorship to students, supporting career development and technical skill advancement.
- Promoted analytical thinking and best practices in problem-solving using tools like TensorFlow and Scikit-learn.

DATA ANALYST
CYPA Africa & Equity International Initiative | *February 2023 – March 2023*
- Analyzed real-time electoral data during Nigeria's 2023 General Elections to support transparency and accountability.
- Cleaned, validated, and managed large-scale datasets to ensure data accuracy before public reporting.
- Produced concise, visually engaging reports to inform electoral observers and stakeholders.
- Assisted in strategy development for enhancing the efficiency of the election monitoring system through data insights.

RESEARCHER & DATA ANALYST
CAFOD UK | *March, 2020 - May, 2022*
- Conducted qualitative research on religious conflict and peacebuilding efforts in Jos-North, Plateau State.
- Used Atlas.ti to analyze interview transcripts and field data, identifying key themes and patterns.
- Translated complex research findings into actionable recommendations to support community peace initiatives.
- Presented findings to organizational stakeholders to inform policy and project interventions.

EDUCATION

- **Postgraduate Diploma (PGD), General and Applied Psychology**
  University of Jos | *2020*
- **Bachelor's Degree, Rehabilitation Sciences**
  University of Jos | *2016*
- **West African Senior School Certificate (WASSCE)**
  Divine Grace High School, Jos | *2012*
- **First School Leaving Certificate**
  University of Jos Primary School | *2005*

PROJECTS

- **Text-to-Speech Converter Web App**
  Developed a multilingual web application that converts input text to speech in over 10 official languages. Integrated advanced Natural Language Processing (NLP) techniques to ensure high-quality translation and speech synthesis. The tool supports both text and audio output, facilitating inclusive communication across diverse linguistic backgrounds.

- **Image Attendance and Security System Register**
  Built a real-time face recognition system that captures and logs faces for daily attendance and security monitoring. Unrecognized faces trigger an alarm system, enhancing surveillance for educational and corporate environments. Integrated OpenCV and face-recognition libraries for optimized facial detection.

- **Lip Reading Deep Learning App**
  Designed a deep learning application that interprets spoken words by analyzing lip movements from video input. Used computer vision and convolutional neural networks (CNNs) to convert silent visual cues into readable text—ideal for noisy environments or assisting the hearing-impaired.

- **Alzheimer's Disease Prediction Web App**
  Built a machine learning-powered application that predicts Alzheimer's disease risk based on patient medical records. The system uses a pre-trained model and delivers real-time, data-driven diagnostics through a clean and accessible user interface to assist medical practitioners.

- **Diamond Price Predictor Web App**
  Engineered an ML-based web application to estimate diamond prices using features like carat, cut, color, and clarity. Designed to aid jewelers and buyers with instant, accurate price estimates through a user-friendly dashboard.

- **Car Price Predictor Web App**
  Developed a web app that predicts used car prices by analyzing input variables like brand, mileage, model year, and condition. Integrated regression models for precise estimates and included a streamlined UI for usability.

- **Election Data Monitoring Dashboard (Power BI)**
  Created an interactive Power BI dashboard to analyze and visualize real-time data during the 2023 General Elections in Nigeria. Integrated maps, KPIs, and slicers to monitor voter turnout, party distribution, and polling unit activities. Supported strategic decision-making and stakeholder reporting.

- **Sales and Inventory Analysis Dashboard (Excel)**
  Designed a dynamic Excel dashboard to track sales performance and inventory levels across multiple product lines. Included pivot tables, slicers, conditional formatting, and interactive charts to enhance business intelligence for retail decision-makers.

- **HR Analytics Dashboard (Power BI)**
  Developed a comprehensive HR dashboard in Power BI showcasing metrics like employee attrition, department-wise headcount, training effectiveness, and diversity analysis. Helped stakeholders visualize trends and drive data-backed HR initiatives.

- **Customer Feedback & Sentiment Analysis Dashboard (Excel & Power BI)**
  Analyzed customer feedback data using Excel Power Query and DAX in Power BI. Created dashboards to show sentiment distribution, keyword trends, and NPS scores, providing actionable insights for improving customer satisfaction.

CERTIFICATIONS

- Jobberman Soft-Skills Training Certificate
- NYSC Completion Certificate
- Teachers Registration Council of Nigeria (TRCN) Certification
- Python for Data Science – Coursera
- Big Data Basics – Udemy
- Machine Learning Certificate – Hamoye
- Professional Development Certificates in Critical Thinking, Emotional Intelligence, and Resilience
- Google Data Analytics Certificate (In Progress)

KEY SKILLS

- ◆ **Data Analysis & Visualization**
  - Exploratory Data Analysis (EDA)
  - Dashboard Creation (Power BI, Excel)
  - Data Cleaning & Preprocessing
  - Data Storytelling & Insight Communication
- ◆ **Programming & Technical Tools**
  - **Python** (Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn)
  - **SQL** (Queries, Joins, Aggregations)
  - **SPSS** & **Atlas.ti** for Quantitative & Qualitative Analysis
  - **Machine Learning** (Model Development & Deployment)
  - TensorFlow & Scikit-learn (Basic ML Pipelines)

- **Business Intelligence & Reporting**
  - Power BI (DAX, Visualizations, Data Modelling)
  - Microsoft Excel (Advanced Formulas, PivotTables, Data Validation)
  - Report Automation & Custom Data Reports
  - KPI Monitoring & Trend Forecasting
- **Instruction & Mentorship**
  - Curriculum Development (Data Science, Analytics Tools)
  - Virtual & In-Person Training Delivery
  - Hands-on Project Guidance
  - Learner Assessment & Personalized Feedback
- **Research & Data Collection**
  - Data Collation and Validation
  - Survey Design & Analysis
  - Qualitative Research (Thematic Analysis, Coding)
  - Report Writing & Presentation of Findings
- **Soft Skills**
  - Strong Communication & Presentation
  - Problem-Solving & Critical Thinking
  - Team Leadership & Mentorship
  - Collaboration & Cross-functional Coordination