Magnus Aghe

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DATA SCIENTIST & ANALYST | D.ENG AI/ML CANDIDATE (GWU) | MS DATA SCIENCE | POWER BI & GOOGLE DATA ANALYTICS CERTIFIED

Innovative data scientist and senior analyst with a strong foundation in statistical analysis, predictive modeling, and machine learning. With an MS in Data Science, an MBA, and a background in Electrical/Electronics Engineering, I translate complex data into strategic insights. Certified in Power BI and Google Data Analytics, I thrive on applying data-driven solutions that enhance organizational performance.

EDUCATION

Doctor of Engineering (D.Eng., in progress), Artificial Intelligence & Machine Learning, The George Washington University (Expected Sep 2027)
Business and Financial Modeling (Certificate), Wharton Online, University of Pennsylvania (April 2025)
M.S. Data Science, National University, San Diego, CA *(GPA: 3.98/4.0) (March 2024)*
MBA, Master of Business Administration, University of Lagos *(February 2011)*
B.Eng. Electrical and Electronics Engineering, Ambrose Alli University *(November 2004)*
Verified International Academic Qualifications by World Education Services (WES)

CERTIFICATIONS

- SQL for Data Science *(June 2025)*
- Business and Financial Modeling *(Apr 2025)*
- Microsoft Power BI Data Analyst *(Nov 2024)*
- Data Warehouses *(Jul 2023)*
- SAS Programming for R Users *(Feb 2023)*
- Google Data Analytics *(Jan 2022)*
- Certified Business Analysis Professional (CBAP) Certification Training *(Apr 2021)*
- Business Analytics with Excel *(Mar 2021)*
- Tableau Desktop Certified Associate *(Nov 2020)*

TECHNICAL SKILLS & COMPETENCIES

Programming & Data Science: Python | R |SQL | SAS | TensorFlow | Keras | Scikit-Learn
Machine Learning & AI: Predictive Modeling | Deep Learning | Neural Networks | NLP | Time Series Forecasting
Data Engineering & ETL: SQL | dbt | Apache Airflow | Data Warehousing | Snowflake | AWS (SageMaker, EC2, Redshift)
Business Intelligence & Visualization: Power BI | Tableau | Excel | Matplotlib | Seaborn
Database & Cloud: PostgreSQL | MySQL | Oracle DBMS | MongoDB | Azure | SAP
Professional Skills: Agile (Scrum, Lean Six Sigma) | Leadership | Project Management | Technical Writing

PROFESSIONAL EXPERIENCE

Data Scientist | National University (Remote – San Diego, CA) | Sep 2022 – Mar 2024
- Developed crime prediction models using LSTM and ARIMA models, improving forecasting accuracy by 91%.
- Built classification models (Random Forest, XGBoost, Decision Trees, Logistic Regression) to predict crime categories with 81%+ accuracy.
- Engineered ETL pipelines for 14 years of Los Angeles crime and weather data, enhancing data quality and reliability for subsequent analysis.
- Designed deep learning models (MLP, ANN, CNN) for image classification (MNIST, Fashion, Sign Language), improving model accuracy and recognition capabilities.
- Conducted A/B testing & statistical analysis in Python, SAS, and SQL, uncovering actionable insights that informed strategic decision-making.
- Automated data pipeline workflows using Flask & Docker, improving deployment speed.
- Developed loan default risk models, increasing prediction accuracy by 20%.
- Developed revenue forecasting models, improving accuracy by 12%.

Process Assistant/Data Analyst | Amazon (Onsite - Houston, TX) | May 2020 – Present
- Conducted root cause analysis using SQL and Excel, identifying trends that improved workflow efficiency by 15%.
- Designed interactive Power BI & Tableau dashboards, reducing manual reporting time by 40%.
- Led a team of up to 70, improving workflow efficiency and reducing CPT misses by 25%.
- Developed KPI tracking models, improving cost efficiency by 10% and reducing DPMO (Defects Per Million Opportunities) by 4,000 per shift.

Business Data Analyst/Data Scientist | Independent Consultant (Freelance, Remote) |May 2020 – Nov 2024
- Developed machine learning models into production for various business clients, enhancing decision-making processes and improving operational efficiency.
- Conducted advanced ETL processes using SQL, PostgreSQL, and Snowflake, streamlining data workflows and improving data accessibility for business analysis.
- Built Power BI dashboards, identifying over $500,000 in cost savings.
- Led supply chain cost analysis, uncovering $1.1m in annual savings.

Business Data Analyst/Content Writer | Ornament Media (Lagos, Nigeria) | July 2017 – Feb 2020
- Conducted financial analysis using SAP, Excel, SPSS, and Power BI, influencing key investment decisions.
- Developed revenue forecasting models, improving forecast accuracy by 75%.
- Created data-driven growth strategies, increasing revenue and client base by 600%.
- Analyzed company financial data using Excel and SAS to align with macroeconomic business trends, resulting in strategic insights that enhanced company profitability and growth.
- Served as chief content writer, developing key technical media content across various platforms.
- Authored grant-funded creative projects using technical writing skills, which improved clients' brand visibility.

HONORS & AWARDS
- President's Circle, National University (May 2024)
- National Society of Leadership & Success (NSLS) (October 2023)
- Omega Nu Lambda National Honor Society, Phi Chapter (September 2023)

KEY PROJECTS/PAPERS
- Advanced Crime Prediction in Los Angeles *(Python, TensorFlow, Keras, SQL, Power BI, Deep Learning)*
- Microsoft Stock Price Prediction *(Time Series Forecasting, LSTM, ARIMA)*
- Seoul Bike Sharing System Demand Prediction *(Regression Models, Feature Engineering)*
- Heart Disease and Heavy Alcohol Drinking *(SAS, R, Logistic Regression)*