MARTIN IZEKOR

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PROFESSIONAL SUMMARY

- Data professional with over 10 years of experience in machine learning, deep learning, and data analysis, delivering impactful solutions in computer vision, NLP, and predictive modeling.
- Proficient in Python, SQL, Power BI, and Tableau for data manipulation, visualization, and automation.
- Skilled in deploying scalable machine learning models with TensorFlow, PyTorch, and Flask for real-time applications.
- Experienced in optimizing workflows, automating processes, and translating complex data into actionable insights to drive business success.

EDUCATION

Explore AI Academy, Higher Certificate in Data Science   2023

University of Port Harcourt, Rivers State

Bachelor of Science in Information Management and Technology   *2011*

CERTIFICATIONS

- Microsoft Certified: Data Analyst Associate
- Google Data Analytics Professional Certificate
- Tableau Desktop Specialist
- Certified Business Analysis Professional (CBAP)
- SQL Certification for Data Science (IBM)
- Lean Six Sigma Green Belt

CORE COMPETENCIES

- Machine Learning (Scikit-Learn, TensorFlow, and PyTorch)
- Scripting & Automation (Python, R, SQL Scripting)
- Framework (Flask)
- Data Analysis & Visualization (Pandas, NumPy, Matplotlib, SQL, Excel, Power BI)
- Clustering Models
- Data and Quantitative Analysis
- Data Management (SQL, PostgreSQL, Data Cleaning & Transformation)
- Business Intelligence (Power BI, Advanced Excel)
- Project Management (Click-up, Jira, Agile/Scrum Methodologies)
- Collaboration Tools (Slack, Zoom, MS Teams)

PROFESSIONAL EXPERIENCE

Data Scientist / Machine Learning Engineer

Turing (Contract)

December 2023 - Present

- Build an LLM-powered application using HuggingFace and LangChain APIs to provide real-time feedback on marketing content alignment, resulting in a 20% increase in lead generation.
- Train CNN with multi-class image classification, resulting in an accuracy of 95% for the challenging dataset containing over 50,000 images.
- Optimize model performance through hyperparameter tuning, including learning rates, dropout rates, and activation functions, reducing validation loss by 15%.
- Implement data augmentation techniques such as random rotation, flipping, and color adjustment to enhance model generalization and mitigate overfitting.
- Deploy a transfer learning solution by fine-tuning pre-trained models such as ResNet and EfficientNet to accelerate training and improve classification accuracy.
- Develop a real-time image classification API with Flask for end-user applications.

Intern Data Scientist/ ML Engineer

ExploreAI

January 2023 – December 2023

- Engineered a Python script for web scraping and analysis of customer reviews, generating actionable insights for targeted marketing campaigns.

- Led the development of LLM-based applications, shortening content creation time by 50% using Cuda, Llama-2-70b by writing and calling HuggingFace, and LangChain API.
- Collaborated with stakeholders to formulate business strategy and data science approaches, resulting in a 60% increase in project success rates.
- Championed developing and implementing advanced statistical models, utilizing regression analysis to extract actionable insights from complex datasets.
- Presented modeling insights to technical and non-technical stakeholders, fostering collaboration and understanding.
- Developed and maintained over 15 predictive models and machine learning algorithms, achieving a 20% improvement in model accuracy.

Senior Data Analyst | Federal Deposit Insurance Corporation (FDIC)

Contract | June 2022 - December 2023

- Designed and implemented advanced analytics workflows to track and optimize service efficiency, leading to a 25% increase in task completion and a 15% reduction in reporting time.
- Developed SQL-based data models to enhance insights into critical operational metrics, enabling decision-makers to improve service delivery.
- Established robust ETL processes to consolidate and clean datasets from multiple sources, achieving data integrity and accuracy for business-critical reports.
- Leveraged Python and SQL for automated report generation, reducing manual data entry time by over 40%.
- Collaborated closely with cross-functional teams to create customized dashboards and visualization tools in Power BI and Tableau, significantly improving stakeholders' access to real-time insights.
- Conducted data-driven scenario analyses to support operational decision-making, including trend forecasting, KPI tracking, and risk assessment.

Data Analyst | Hilton

June 2020 - May 2022

- Built and maintained Power BI dashboards to visualize performance metrics and operational data, resulting in a 20% increase in user engagement across various departments.
- Streamlined data management by integrating data from disparate sources using SQL, enabling efficient access to data insights.
- Developed predictive models using Python (scikit-learn) to support targeted business strategies, including customer retention and resource optimization initiatives.

- Utilized SQL to create efficient queries and optimize database performance, reducing data retrieval time by 30%.
- Delivered regular updates to project managers in an Agile environment, maintaining clear communication and prioritization of tasks based on stakeholder feedback.
- Provided in-depth training on Power BI and data analysis best practices to team members, increasing departmental data literacy.

Data Analyst | O'Neil Digital Solutions

April 2017 – May 2020

- Spearheaded the creation of automated data processing scripts in Python, reducing manual labor by 35% and ensuring accuracy across datasets.
- Designed and implemented data validation protocols to ensure the integrity and reliability of datasets used for analysis, improving data accuracy by 20%.
- Collaborated with product teams to translate business requirements into data solutions, leading to the successful deployment of various data-driven products.
- Developed custom SQL queries and data aggregation methods to support ad hoc reporting needs, accelerating response times for data requests by 25%.
- Led the integration of analytics tools with customer-facing platforms, enabling real-time data visualization and enhancing customer experience.
- Supported the enhancement of the data warehouse architecture, improving data accessibility and processing speed for business intelligence needs.

PROJECTS

- **Recommender System:** Built and deployed a recommender system, reducing the time to choose the right movies by 80%. Utilized sci-kit learn, AWS EC2, S3 bucket, unsupervised machine learning algorithm and streamlit.
- **Real-Time Sales Dashboard:** Created a Power BI dashboard that provided real-time insights into sales metrics, enabling proactive adjustments in sales strategy that boosted monthly revenue by 15%.
- **Customer Segmentation Analysis:** Developed a segmentation model using K-means clustering to identify customer profiles, enhancing the effectiveness of marketing campaigns and improving customer targeting by 30%.
- **Renewable Energy Forecast:** Built an ML model in Python to predict energy shortfalls, achieving the first position on the Kaggle leaderboard. Used Flask, AWS cloud computing, regression algorithms, and Scikit Learn.