

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.
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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
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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)
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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.
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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.
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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.
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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.
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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.
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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.
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