ODEDIRAN EYITAYO

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PROFILE SUMMARY

Adaptable IT professional with a strong foundation in data science & analytics, and a commitment to continuous learning. I bring effective communication skills, a collaborative spirit, and a proactive approach to problem-solving in any environment. Always eager to embrace new challenges and contribute positively to team dynamics.

EDUCATION

Covenant University, Ogun State, Nigeria **September 2023**
BSc Computer Science; Second Class Upper
Relevant Courses: Computer Programming I&II, High Performance Computing & Database Management, & Mathematical Computing

WORK EXPERIENCE

Data Scientist
Afriskaut **October 2024 – Present**

- **Data-Driven Player Evaluation**: Conducted in-depth performance analyses using Afriskaut's extensive database, evaluating players' technical, tactical, physical, and mental capabilities to uncover actionable insights.
- **Algorithm Innovation**: Engineered advanced machine learning algorithms and predictive models that enhanced talent identification accuracy and uncovered emerging football talents.
- **Strategic Talent Identification**: Partnered with scouts to identify and assess high-potential players, enabling strategic recommendations for career advancement and professional connections within the football ecosystem.
- **Cross-Functional Collaboration**: Acted as a bridge between data analytics and football operations, working collaboratively with internal and external stakeholders to ensure alignment between statistical insights and scouting strategies.
- **Insightful Reporting**: Delivered comprehensive, data-rich reports that combined quantitative metrics with qualitative assessments, providing clear, actionable evaluations to stakeholders for decision-making.

INTERN: Advisory - Tech Platforms Unit
KPMG West Africa **January 2024 – October 2024**

- Contributed to SAP implementation project for NNPC Retail Limited (NRL), collaborating with the data team on data migration from legacy ECC and Oracle SAP systems to the new S4 HANA platform.
- Supported SAP post-implementation review project at JOTNA, focusing on the SuccessFactors Module. Reviewed and analyzed test case documents within the module and participated in drafting the final project report.

Cybersecurity Intern
E-process Consulting Limited **March 2022 – September 2022**

- Sophos Firewall Management: Learned and applied skills in configuring and managing Sophos firewalls to ensure network security. Assisted in the implementation of firewall rules and policies tailored to specific organizational needs.
- Sophos Central Tools: Successfully navigated Sophos Central tools, leveraging their functionalities to enhance endpoint security. Participated in monitoring and responding to security incidents through the Sophos Central platform.
- Customer Health Checks: Conducted health checks for customers' cybersecurity systems, identifying vulnerabilities and recommending solutions. Collaborated with the team to implement preventive measures based on health check findings.
- CIMTrak Integration Suite: Acquired proficiency in using CIMTrak Integration Suite for continuous security monitoring and compliance management. Assisted in the integration and maintenance of CIMTrak within the existing cybersecurity framework.
- Virtual Machines and Remote Desktop Servers: Developed skills in managing virtual machines, ensuring their security and

optimal performance. Assisted in the configuration and maintenance of remote desktop servers to facilitate secure remote access.

Data Entry Assistant
Greenfield Estate Admin Office **March 2022 – September 2022**

- Data Entry: Accurately transcribed information from physical forms into the designated online database. Entered data promptly while maintaining a high level of precision to minimize errors.
- Data Verification: Conducted thorough reviews of entered data to identify and rectify any discrepancies. Cross-checked information to ensure accuracy and consistency across records.
- Record Management: Organized and maintained electronic records in the database. Implemented systematic filing protocols to facilitate easy retrieval of information.
- Communication: Collaborated with relevant departments to address any data-related queries or discrepancies. Provided regular updates on data entry progress and sought clarification on unclear or ambiguous information.
- Quality Assurance: Upheld quality standards in data entry processes, adhering to established guidelines. Implemented measures to enhance the accuracy and reliability of data inputs.

PROJECTS

1. Development of an Online Shopping Assistant Using Natural Language Processing and Collaborative Filtering Algorithms

- **Description**: Implemented a recommendation engine that uses NLP to analyze user reviews and preferences, combined with collaborative filtering techniques to suggest products, enhancing user experience and increasing engagement on the platform.
- **Technologies Used:** Python, Pandas, Django, HTML, CSS, SQLite, Scikit Learn.

2. Development of a Football Passing Network Analysis System

- **Description:** Created a comprehensive football passing network analysis system that integrates detailed metrics for game analysis. This system incorporates the C4 contextual passing network for each 15-minute segment of a game, providing insights into player and team performance through advanced data visualizations.
- **Technologies Used:** Python, Pandas, Matplotlib, mplsoccer, SQL, PostgreSQL.
- **Key Features:**
  - **Centrality Metrics:** Calculates key centrality metrics to evaluate player influence in passing networks.
  - **Visualization:** Generates static visualizations of passing networks, including base, attack-weighted, and defense-weighted networks.
  - **Database Integration:** Developed a robust database schema for storing and querying match and player centrality data.
- **Blog Integration:** Maintains a Medium blog where I post weekly analysis writeups based on these visualizations. This blog showcases my ongoing research, insights, and updates on the football data analysis system, providing a platform for sharing findings and engaging with the broader data analysis community.
- **Outcome:** Enhanced ability to identify key players, team strategies, and performance trends, aiding in scouting and tactical planning.

3. Manufacturing Bottleneck Detection and Forecasting

Description: Simulated a manufacturing production line to detect bottlenecks and forecast future delays. The system identifies process inefficiencies, particularly in the Quality Check phase, which experiences delays 30% of the time. It enables proactive decision-making to optimize production efficiency.

Technologies Used: Python, Pandas, NumPy, Matplotlib, Seaborn, Statsmodels, Streamlit, Tableau.

Key Features:

Data Simulation: Simulated 500 production cycles, introducing delays to mimic real-world bottlenecks.

Exploratory Data Analysis (EDA): Conducted statistical analysis and visualized processing time distributions to pinpoint slow steps.

Predictive Modeling: Built an ARIMA model to forecast future production delays based on historical cycle time data.

Dashboarding & Deployment:

Streamlit App: Interactive web dashboard for real-time delay predictions.

Tableau Public Dashboard: Dynamic visualizations for trend analysis and decision-making.

Outcome: Improved bottleneck detection and forecasting accuracy, enabling manufacturers to reduce downtime and optimize resource allocation.

4. Sales Forecasting and Demand Planning Dashboard

Description:

Developed a comprehensive forecasting solution for retail sales data to support demand planning and inventory management. The project involved aggregating a large retail sales dataset (9801 rows), performing extensive exploratory data analysis to understand historical trends and seasonality, and building predictive models to forecast future sales.

Technologies Used: Python, Pandas, NumPy, Matplotlib, Seaborn, Statsmodels (ARIMA) and Prophet, Streamlit and Tableau Public

Key Features:

- Data Acquisition & Preprocessing: Imported and cleaned retail sales data, ensuring a continuous time series by reindexing dates and filling missing values.
- Exploratory Data Analysis (EDA): Visualized historical daily sales trends and identified seasonal patterns using line charts and statistical summaries.
- Predictive Modeling: Built and tuned ARIMA and Prophet models to forecast future sales over a dynamic forecast horizon.
- Interactive Dashboarding & Deployment: Developed an interactive Streamlit app that allows users to adjust the forecast horizon via a slider and view forecast plots alongside historical data.
- Created dynamic visualizations in Tableau Public for an alternative view of forecasted sales trends.

Outcome:

Enhanced demand planning accuracy by providing actionable insights into future sales trends. This solution helps optimize inventory levels and resource allocation, demonstrating my ability to build and deploy end-to-end forecasting solutions.

KEY SKILLS

- Programming in Python & R
- Statistical & Analytical Thinking
- Data Visualization (PowerBI & Tableau)

- SQL & noSQL Databases
- Azure
- Microsoft Office Suite