FRANKLIN IZUCHUKWU CHUKWUEMEKA

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About Me: A passion for applying quantitative analysis and AI solutions to complex operational and financial challenges. With a solid foundation in finance and exceptional proficiency in programming languages and machine learning, I excel in transforming data into actionable insights to drive strategic decision-making and operational excellence.

Education:

Master's Degree in Quantitative Economics - University of Tartu, Estonia   [2022 – 2024]

Bachelor's Degree in Banking and Finance - C. O. O. University, Nigeria   [2019 – 2021]

Experiences:

Financial Analyst - Quantum Nexus Capital, Tallinn   [2024 – Current]

- Spearheaded analytical capacity planning and forecasting efforts to align with business growth and operational demands.
- Implemented advanced predictive modeling and data pipeline development, ensuring operational excellence and efficiency.
- Conducted in-depth cost and operational metrics analysis to understand impacts on commodity prices, resulting in a 150% portfolio growth.
- Monitored key strategic initiatives and optimized performance outcomes through continuous data-driven insights.

Data Analyst - Tipline Environmental Services, Lagos   [2020 – 2024]

- Managed data pipelines and developed analytical models to support operational teams in strategic capacity planning.
- Visualized complex environmental data through charts, graphs, and maps, enhancing communication and decision-making processes.
- Utilized SQL, Python, and data visualization tools (PowerBI) for advanced data analysis and storytelling.

Software Developer - Basexcel Technologies, Enugu   [2017 – 2020]

- Proficient in Python and JavaScript web frameworks (Django, React.js), contributing to efficient data pipeline ownership.
- Deployed and managed applications on cloud platforms (AWS, Azure), ensuring robust and scalable solutions for operational analytics.
- Developed and integrated APIs, including RESTful APIs and GraphQL, to facilitate seamless data flow and analysis.

Achievements and Awards:

- Successfully increased Quantum Nexus Capital's portfolio by 150% through strategic algorithms and proactive risk management techniques, showcasing expertise in data-driven decision-making.
- Recognized for one of the best theses in the Quantitative Economics MA program of 2024, highlighting advanced analytical and research skills.
- Developed the Automated Survey Analyzer to assist non-technical researchers in real-life projects, demonstrating innovation and technical proficiency.

- Awarded a merit-based, full-tuition scholarship at the University of Tartu in 2022, underscoring academic excellence and dedication.
- Ranked among the top 5 out of 200 graduating students in the Banking and Finance Department of 2016, reflecting strong analytical and academic performance.

Skills and Attributes:
- Technical Skills: Proficient in Python, C#, C++, JavaScript, Stata, R, Excel, SQL, Power BI, and data visualization tools (Looker, PowerBI, Tableau).
- Analytical Skills: Advanced predictive modeling, analytical capacity planning, and forecasting experience.
- Data Pipeline Development: Hands-on experience building and maintaining data pipelines to support operational excellence.
- Communication: Excellent writing and presentation skills, with a proven track record of preparing comprehensive economic reports.
- Cultural Sensitivity: Effective communicator, used to working with diverse teams and showing cultural sensitivity.
- Self-Starter: Demonstrated ability to independently manage workload and contribute proactively to team efforts.

Hobbies:
Board games, watching football, following geopolitical global events.

Projects:

Automated Survey Analyzer	Links: Article Source Code
Culture, ESG Performance and the Environmental Kuznets Curve	Links: Article Source Code
UI Tests Using Selenium Framework	Links: Source Code
Heterogeneity and Robustness of the Kuznets Curve	Links: Source Code
Sentiment Analysis of Movie Reviews	Links: Article Source Code
Time Series Analysis of Performance of Environmental-Friendly Stocks	Links: Article Source Code