CHIDI M. NDEGO

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PROFILE

Highly accomplished Data and AI professional with experience driving innovation in data engineering, NLP, computer vision, and machine learning. Proven ability to design, develop, and deploy impactful AI solutions that have significantly enhanced capabilities of large language models (LLMs) like ChatGPT and Grok. Aiming to further contribute to AI advancements, pushing technological boundaries and making impactful innovations in the field.

SKILLS

Python, SQL, dbt, Claude Code, Airflow, Glue, Athena, Salesforce, Redshift, DynamoDB, Docker, Microsoft PowerBI, Tableau, Preset, Microsoft Azure, APIs, Git, Data Quality, Financial Reporting, Agentic Dev Tooling, Agile Methodologies, Stakeholder Management, Database Design/Modelling, Automation, Documentation, Critical Thinking, Problem Solving, Presentation, Communication.

EXPERIENCE

BI Engineer **Jun. 2024 - Present**

The Weather Company, USA (Remote)

- Diagnosed and resolved critical data-accuracy and reconciliation defects in campaign overdelivery and viewability reporting (inflated delivery ratios up to **23,968×** and **41–46%** metric variance), eliminating false positives relied on by Finance and Ad-Ops and validating corrections against production source-of-truth data.
- Re-architected a finance deferred-revenue dbt model from full-table rebuild to incremental, month-partitioned processing; removed a join fan-out defect and validated exact reproduction of audited figures across a 6-month backfill.
- Built and re-platformed a sponsorship deferred/unbilled revenue data model (dbt + Airflow), migrating the source of truth from a legacy extract to NetSuite to support Finance revenue-recognition reporting
- Engineered a cross-platform Web KPI dashboard consolidating audience engagement, content engagement, subscription, and revenue/monetization metrics into a single source of truth, accelerating business decision-making and streamlining monthly stakeholder reporting.
- Redesigned content-engagement and web monthly active users (MAUs) backfill pipelines from full-history rebuilds to incremental, parameterized Airflow patterns, eliminating unbounded daily rescans and enabling self-service month-end revenue re-runs.
- Migrated critical enterprise data pipelines off legacy systems onto the BlueOcean platform, increasing query performance and system stability while cutting infrastructure costs by **~$20K/month**
- Designed and developed business intelligence dashboards for cross-functional stakeholders (Tableau CRM, Qlik Sense, Looker Studio, Preset); optimized Qlik servers, managed access controls, automated Google Ads + third-party SSP data integrations into Salesforce, and leveraged AI-assisted engineering (Claude Code + MCP integrations) to accelerate production diagnostics and fixes.

AI Engineer (Contractor) **Feb. 2023 - Mar. 2025**

Turing (OpenAI / X.Ai / Google), USA (Remote)

- Revolutionized user accessibility by creating training data for **ChatGPT, Grok AI,** and **Google LLM** to utilize several public APIs, expanding its usability without requiring technical knowledge from users.
- Integrated **computer vision** and **data analytics** into the Code Interpreter, improving models multimodality capabilities.
- Improved **Reinforced Learning with Human Feedback** effectiveness by 70% through error reduction in computer vision tasks, accelerating AI model learning.
- Optimized **LLMs** to self-assess responses based on logical soundness, conciseness, severity, and verbosity, promoting thoughtful and measured replies.

Lead Data Engineer **May 2024 - Dec. 2024**

Ecosite, UK (Remote)

- Leveraged AWS services including **DynamoDB**, **API Gateway**, and **Lambda** to process and enrich large datasets, enabling efficient storage, security, retrieval, and analysis of solar installation metrics and company details for commercial buildings in the UK.
- Developed a robust **data integration pipeline** to link geospatial building data from **Google Maps API** with company information from **Companies House API** and **DNO API**, enhancing data completeness and accuracy for solar panel feasibility analysis.

- Automated data migration between development, staging, and production environment.

Python Developer **Jul. 2022 - Feb. 2023**
GE Vernova, Sub-Saharan Africa

- A core member of GE Vernova digital initiative, focusing on streamlining software solutions through analysis, development, unit testing, deployment, and documentation while applying Lean and Kaizen processes.
- Standardised dashboard development, reducing completion time by 33%, and spearheaded data literacy initiatives through regular training sessions on **Tableau** tools.
- Developed models to estimate GE's entitlement on outage services carried out on customers' gas turbines and generators and delivered a solution with **96% accuracy** on **AWS Lambda**.
- Analysed, cleansed, and automated financial data migration from **Oracle ERP** to **SAP ERP**.

Data Scientist **Sep. 2020 - Jul. 2022**
Standard Bank Group, Nigeria

- An active member of the Data & Analytics team responsible for analyzing over **30 million** complex data points to discover trends, patterns, and insights that would help drive critical business decisions.
- Performed **sentiment analysis** on customer feedback on the Mobile App and Internet Banking platform.
- Developed Machine Learning clustering models to segment customers for targeted marketing, improving product cross-selling and **increasing transaction volume by 32%**.
- Grew Stanbic IBTC customer experience rating for SME and Retail banking segments (78.6) according to KPMG's 2021 Nigeria Banking Industry Customer Experience Survey – **moving up 8 places to emerge as the best bank in that category**.
- Automated Account Opening Form documentation leveraging Azure's Optical Character Recognition technology, **saving the business about 80% of filing time**.
- Generated, documented, and presented monthly data quality, data monetization, and visualization reports to the stakeholders.

Junior Machine Learning Engineer (Volunteer) **Mar. 2020 - Aug. 2020**
Omdena, USA (Remote)

- Developed a data-driven healthcare product and collaborated with 40+ seasoned multi-national data scientists to develop two predictive models: random forest and auto-encoder, with accuracies over 80%.
- **Led** the data visualization team of fifteen business intelligent developers that built a web app with RESTful APIs and Python dash to provide real-time alerts to caretakers and doctors.

EDUCATION AND CERTIFICATIONS

- B.Eng Petroleum Engineering, University of Benin, Nigeria (First Class Honors)
- Microsoft Certified: Data Analyst Associate (2022)
- Microsoft Certified: Azure Data Scientist Associate (2021)
- Intel® Edge AI Developer Certificate (2021)