

CHUKWONONSO NNONDUM

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SKILLS

programming skills: R, SQL, SAS, Stata, Python ([Pytorch](#), [Keras](#), [Pandas](#), [Matplotlib](#), [Numpy](#)).

Tools: PowerBI, Tableau, MySQL, MongoDB, Microsoft Excel ([VLOOKUP](#), [Macros](#), [VBA](#), [Index-Match](#))

Miscellaneous: GitHub, Snowflake, JIRA (Agile), Visual Studio, AWS ([S3](#), [Athena](#), [Redshift](#))

Soft Skills: customer-facing, strong problem-solving skills, willingness to learn, improve efficiency, communication, intuitive

Certifications: AWS Certified Machine Learning Engineer Associate, Certified Scrum Product Owner (CSPO), Harvard Business School – Credentials for Readiness, Advanced Relational Database and SQL.

EXPERIENCE

Extern, Houston, TX

March 2025 - May 2025 (3 months)

AI & Workflow Automation Analyst

- Built a foundational AI knowledge base by studying Machine Learning, Deep Learning, NLP, and LLMs, analyzing 50,000+ mortgage documents to understand AI's role in document automation.
- Enhanced Retrieval-Augmented Generation (RAG) pipelines with advanced chunking and open-source LLMs (Mistral, Phi-2), boosting document segmentation accuracy by 25% and improving system precision for large datasets.
- Integrated, tested, and deployed an end-to-end AI-powered document processing pipeline, decreasing document review turnaround time from 5 days to 3 days (40% faster) for real-world mortgage workflows.

Extern, Houston, TX

January 2025 - March 2025 (3 months)

Operational Strategy & People Analytics Analyst

- Analyzed attrition risks across 20+ Amazon fulfillment centers, quantifying a \$2B annual business impact from new-hire turnover and reframing early attrition as a critical operational risk.
- Web scraped and cleaned 10,000+ employee reviews from Glassdoor and YouTube using Python, transforming unstructured feedback into structured data for analytics with 95% data processing accuracy.
- Conducted sentiment analysis and keyword frequency mapping on collected data, identifying 5 recurring pain points that accounted for 70% of negative employee sentiment.
- Developed and presented a pilot-ready retention strategy, projecting a potential 15–20% reduction in new-hire attrition within the first 90 days through persona-driven solutions.

Springer Capital LLC, Chicago Metropolitan Area, IL

August 2024 - January 2025 (6 months)

Data Automation Intern -

- Automated blob processing and document routing for 50,000+ unstructured PDFs, reducing classification errors by 30% and saving 15 staff hours weekly.
- Extracted structured data from 75,000+ multi-page PDFs using PyMuPDF and pdfplumber, applying regex and anchor-based heuristics to identify key fields like borrower names and loan amounts with 95%+ accuracy.
- Developed a multi-document search engine with a user-friendly UI (Streamlit/Gradio), reducing average search time from 10 minutes to 2 minutes per query (80% improvement).

Freelance, Chicago Metropolitan Area, IL

January 2019 - July 2023 (4 years 7months)

Data Scientist

- Designed and deployed predictive trading systems with sales analytics and retail performance metrics, achieving up to 45% model accuracy using Python, SQL, and Git.
- Conducted full-lifecycle data workflows—data extraction, modeling, intuitive dashboards and reports—across 12+ portfolios, driving sales operations efficiency for small-cap funds.
- Designed and deployed AI-driven predictive models for equities and forex markets by integrating machine learning, NLP (sentiment analysis), and technical indicators, achieving up to 45% prediction accuracy using two years of data.

EDUCATION

The University of Texas at Dallas, Dallas, TX

MS in Business Analytics and Artificial Intelligence (*AI & Automation Specialization*)

August 2023 - May 2025

Relevant coursework: Machine Learning, Advance Statistics for Data Science, Database Foundations, Big Data

Cyprus International University, Nicosia, Turkish Republic of Northern Cyprus

BA in Business Administration

February 2021 - June 2023

Relevant coursework: Financial Accounting, Advanced Statistics, Econometrics, Marketing, Business Management