

Aishah Abdul-Hakeem
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EDUCATION

Cornell University | Ithaca, New York
Bachelor of Science in Computer Science, Minor in Business

May 2026

Morgan State University | Baltimore, Maryland
Master of Science in Data Analytics and Visualization

August 2027

Relevant Coursework: Machine Learning, Machine Learning in Business, Artificial Intelligence, Probability and Statistics, Data Structures, Analysis of Algorithms, Deep Learning, Financial Statement Analysis

EXPERIENCE

Analytics Engineer/ Data Science Intern | Cornell Animal Health Diagnostic Center, QMPS
Ithaca, New York

June 2025 – June 2026

- Automated Excel-based dairy health data workflows using Python (pandas, NumPy) and Streamlit, reducing processing time from 1 day to under 2 minutes and eliminating 90%+ manual effort.
- Designed and deployed an end-to-end data pipeline to clean, standardize, and aggregate raw field data across farms, enabling real-time analytics and reporting.
- Built interactive dashboards for client and internal use, visualizing key hygiene metrics and supporting faster operational decision-making.
- Integrated Airtable for dynamic data storage and record linking, enabling live updates and scalable data management.
- Developed an internal data-entry application to standardize field data collection, improving data consistency and reliability.
- Leveraged Google Analytics to track user engagement and optimize dashboard usability based on behavioral insights.
- Designed and implemented a bilingual training automation system across 22 modules using Visme, Airtable, and WhatsApp Business API, including automated certificate delivery and knowledge refresher workflows triggered by quiz completion tracking.
- Architected a scalable webhook pipeline using n8n and Meta WhatsApp Cloud API to capture, process, and log real-time message delivery statuses, writing custom JavaScript scripts to send personalized automated WhatsApp messages at scale.
- Designed and implemented a bilingual WhatsApp-based training and support platform for dairy farm operations using Meta WhatsApp Cloud API, n8n, Airtable, Cloudinary, Supabase, and Lovable, enabling real-time learner support, automated content routing, and scalable communication workflows
- Built end-to-end automation pipelines that transformed educator-submitted images and annotations into structured learning content while integrating conversational state tracking, AI-assisted categorization, and a custom web-based messaging interface for QMPS personnel and learners

AI Challenge Participant | MoVi

March 2025 – April 2025

- Built a quantitative forecasting model for U.S. grid replacement, integrating asset retirements, demand projections, and investment timelines for long-term infrastructure planning.
- Led a cross-functional team using generative AI tools like Claude.ai and Perplexity to align AI-powered modeling with strategic business objectives, ensuring technical execution supported actionable insights.
- Awarded AI Architect and Technical Leadership Excellence honors out of 40+ participants for leading technical execution and driving strong cross-functional team performance with strong use of visualization tools like Plotly.ai, loveable.ai, and AI modeling techniques, during the MoVi AI Challenge Hackathon.

AEA Data Editor | Cornell ILR Labor Dynamics Institute

January 2025 – May 2025

- Replicated academic research datasets for AEA reproducibility verification using Stata, R, and MATLAB.
- Reviewed replication documentation and code consistency across OpenICPSR repositories.

Paragon One AI-Powered Product Discovery Extern | Paragon One

January 2024

- Conducted user interviews and usability testing to evaluate product-market fit.
- Produced a product discovery report summarizing qualitative insights and statistical analysis using Otter.ai.

SKILLS

- Programming Languages:** Python, Java, C, R, OCaml, Swift, MATLAB, SQL, Assembly, JavaScript, SAS
- Analytics & Visualizations:** Streamlit, Tableau, Power BI, Plotly.ai, Loveable.ai, Excel, Google Analytics, AirTable, NLP, LLM
- Software & Tools:** GitHub, Visual Studio, JIRA, Bitbucket, Notion, Figma, Canva, Slack, Google Colab, MS Office, Xcode, Rilo, Make, Visme, Webhook, WhatsApp API, n8n.io, Zapier, Elevenlabs, Pipedream

LEADERSHIP, AWARDS

Awards: Jacob's Scholar, Certificate of Excellence in Information Technology 2019, AI Architect, Technical Leadership Excellence, Leadership:

- Served as Social Chair for Cornell Credit Agency.
- Served as President, Vice President, Treasurer, and Marketing Manager of the Caribbean Students' Association Dance Ensemble.
- Served as Freshman Representative and Director of Public Relations of the Caribbean Students' Association.