

# Nafisat Ibrahim

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Graduate student in Mathematics - Data Science with experience in quantitative modeling, data analysis, and automation. Skilled in Python, SQL, Power BI, and Excel (VBA). Passionate about using data analytics and machine learning to extract insights, build predictive models, and enhance decision-making.

## EDUCATION

**Master of Mathematics in Data Science** - University of Waterloo

Waterloo, ON | May 2027

Courses: Statistical Inference & Probability, Machine Learning

**Bachelor of Science in Mathematics** - University of North Texas

Denton, TX | May 2024

## SKILLS

**Programming & Tools:** Python, SQL, Power BI, Excel (VBA), GitHub, Git, Jupyter Notebook

**Cloud & Dev Tools:** Databricks, Azure, Google Cloud Platform (GCP), Streamlit Cloud, Heroku

**Languages:** English (Fluent), French (Native)

## EXPERIENCE

**Data Analyst**

Dallas, TX | May 2024 – Aug 2025

*Exyte*

**Python | Power BI | Excel | Git | Databricks | Azure**

- Analyzed construction project data to detect trends, anomalies, and risks in planning, schedule, and cost performance, helping teams mitigate overruns and improve forecasting accuracy.
- Developed and automated forecasting and reporting workflows using Python and Excel VBA, improving planning accuracy by 30% and streamlining repetitive data tasks.
- Built interactive, real-time Power BI dashboards that centralized data from multiple sources, reducing time spent searching for information by 50% and enabling faster, data-driven decision-making.
- Prototyped clash-detection analytics use case in 3D models using Azure ML and Databricks, integrating model data to identify coordination conflicts and improve project efficiency.

**Business Analyst Extern**

Denton, TX | Jan 2024 – May 2024

*HP*

**SQL | Excel | Tableau**

- Analyzed early-stage startup data using SQL and Excel, driving investment insights through cleaned datasets, market mapping, and data visualization.
- Created Tableau dashboards and automated reports to evaluate startup performance and market trends, supporting data-driven decision-making for corporate venture investments.

## PERSONAL PROJECTS

**Applied AI + Generative AI**

Sep 2025 – Nov 2025

DietVision.ai – Women in AI Hackathon

**Python | TensorFlow | Streamlit | Google Cloud**

- Designed and implemented an AI-powered nutrition assistant that analyzes meal images and recommends healthier alternatives using a CNN-based food classification model
- Integrated a conversational chatbot powered by Gemini to answer nutrition-related questions and provide personalized dietary guidance. Link: <https://github.com/Nafisatibrahim/DietVision-TheSmartPlaters>

**Deep Learning: Computer Vision with CNN**

Jan 2025 – May 2025

Facial Emotion Detection

**Python | TensorFlow | Streamlit**

- Developed a convolutional neural network (CNN) in Python using TensorFlow to classify facial emotions (e.g. happy, sad, angry, surprised) from image input.
- Deployed the model using Streamlit to create a real-time, user-friendly web app for instant emotion prediction. Link: <https://nafisat-ibrahim-facial-emotion-detection.streamlit.app/>

**GitHub repository:** <https://github.com/Nafisatibrahim>