

Aisha Nomani

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PROFESSIONAL SUMMARY

Artificial Intelligence & Business Analytics and Finance double major at the University of South Florida, graduating August 2026. Experienced in developing practical, real-world AI-driven analytical applications, data integrations, and machine learning models using Python, SQL, and JavaScript through academic projects. Dean's List honoree seeking an entry-level opportunity in AI software engineering.

EDUCATION

BACHELOR OF SCIENCE: AI-BA & FINANCE

University of South Florida, Tampa, Florida

Expected Aug 2026

GPA: 3.87 | Dean's List (4x)

SKILLS

Programming & Tools: Python, SQL, R, Javascript, HTML, CSS, Jupyter Notebook, Git, RStudio, NumPy, Docker

ML, Technologies, & Concepts: Pandas, scikit-learn, k-Means, Decision Trees, Neural Networks, Rest APIs, ETL, Data Pipelines, Distributed Systems, Model Evaluation

Data Visualization & Analytics: Tableau, Microsoft Excel, Power BI, Qlik

RELEVANT COURSEWORK

In Progress:

Applied Data Science; Big Data for AI & Analytics; Data Visualization

Completed Coursework:

Data Mining & Predictive Analytics, Python for Business Analytics; Database Design & Administration; Business Application Development; AI & Analytics; Statistical Programming; Excel & Data Modeling for Business Analytics;

TECHNICAL PROJECTS

1. AI Image Authenticity Detector - Prototype (HTML, CSS, JavaScript)

- Built a full-stack web prototype to detect AI-generated or manipulated images using front-end and backend logic, focusing on usability and real-time analysis of image inputs.
- Implemented image analysis logic to detect AI-generated content and deliver real-time results.

2. Loan Default Prediction - Machine Learning Model (Python, Pandas, scikit-learn)

- Built classification models (Decision Trees, Neural Networks) to predict loan default risk.
- Applied k-Means clustering for borrower segmentation and risk profiling.
- Evaluated model performance using accuracy and validation metrics.

3. Distributed Data Pipeline - ETL & Data Engineering (SQL, PostgreSQL, Cassandra, Citus, Docker, Python)

- Built a scalable data pipeline integrating multiple databases into a centralized data warehouse.
- Engineered an automated ETL pipeline using Docker for distributed PostgreSQL and sharded data processing.
- Resolved shard-level inconsistencies and extended architecture with Cassandra for high performance access.
- Evaluated Citus (distributed PostgreSQL) for scalability, performance, and real-time analytics.

4. Optimization of Retail Performance (Tableau, Python)

- Analyzed 291K+ retail transactions to identify sales trends, customer segments, and profitability drivers.
- Built interactive Tableau dashboards with forecasting, drill-downs, and what-if analysis to support decisions.
- Translated insights into recommendations for inventory optimization, regional focus, & revenue growth.

EXPERIENCE

UNIVERSAL ACADEMY OF FLORIDA, Tampa, FL, **Business Administration Intern**, (09/2024)-(06/2025)

- Supported administrative and accounting operations, including scheduling, data entry, and reconciliation.
- Managed and resolved 30-40 student and parent inquiries per week, improving response turnaround time by ~25%; served as a part-time substitute teacher as needed.

UNIVERSAL ACADEMY OF FLORIDA, Tampa, FL, **SAT Tutor**, (10/2021)-(05/2022)

- Delivered personalized SAT Math/English instruction using CollegeBoard, improving student scores by ~20%.

GEMS DUBAI AMERICAN ACADEMY, Dubai, UAE, **AI Spokesperson and TA**, (01/2020)-(03/2020)

- Volunteered to represent the AI and Robotics community; programmed and demonstrated Baxter robot by Rethink Robotics for professional audiences like business owners and industry experts.
- Supported classroom instruction, grading, & performance tracking for 25+ students using Excel based analysis.