

## Tristan Sewsunker

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### Education

#### University of Mississippi

B.B.A. in Business Analytics & Information Systems. GPA 3.95.

Relevant Coursework: Business Analytics Programming and Management Information Systems.

Oxford, MS

Expected May 2026

#### National Chengchi University

College of Commerce.

Study abroad coursework in Organization Behavior and International Relations.

Taipei, Taiwan

February 2025 – June 2025

#### Northwest Mississippi Community College

A.A. in MIS. GPA 3.95.

Phi Theta Kappa. Dedicated 40+ hours to the Sports Conditioning community program.

Senatobia, MS

January 2022 – May 2024

### Technical Skills

**Programming:** Python, JavaScript/TypeScript, Rust, SQL, HTML/CSS.

**Frameworks & APIs:** FastAPI, Flask, Express, React, Next.js, Streamlit.

**Data & Analytics:** pandas, NumPy, scikit-learn, Power BI, Jupyter.

**Databases:** PostgreSQL, SQLite, Oracle.

**Systems & Tools:** Docker, Git, RabbitMQ, REST APIs, OpenAPI/Swagger.

### Technical Projects

#### BI Executive Sales Dashboard

Designed and deployed executive dashboards using Python and Power BI to track revenue, order volume, AOV, and conversion rates, supporting visibility into 25% revenue growth and regional performance trends.

November – December 2025

#### Fraud Detection System

Implemented a machine-learning pipeline using logistic regression for credit card fraud detection with class balancing; evaluated performance using precision–recall metrics (PR-AUC) and deployed inference behind a FastAPI endpoint.

November – December 2025

#### MS Rail Project

Architected a normalized Oracle SQL database spanning 10+ interrelated tables to model passengers, trips, stations, payments, and fares; built a multi-page JavaScript web interface to compute and visualize operational metrics including delays, ridership, and revenue flows.

August – December 2025

#### MIS320 Labs

Executed applied analytics labs involving regression, classification, clustering, and association rule mining; assessed models using MAE, MSE, confusion matrices, and support/confidence metrics in scikit-learn.

August – December 2024

### Leadership

#### Student Government Association

##### Senior Class Secretary

Senatobia, MS

August 2021 – May 2022

- Coordinated 5+ school events and fundraisers, improving engagement for 100+ students.
- Led weekly student–staff meetings to improve coordination and streamline event planning workflows, reducing planning delays and improving execution consistency.