

# Malik Ahmadu

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## EDUCATION

### University of Houston

Houston, TX

*Bachelor of Science in Computer Science*

*August 2022 – May 2026*

- Relevant Coursework: Algorithms, Data Structures, Databases, Operating Systems, Linear Algebra, Statistics

## PROFESSIONAL EXPERIENCE

### Information Technology Intern

August 2025 – December 2025

*Chartwells Higher Education*

*Houston, TX*

- Resolved 30+ help desk tickets by troubleshooting hardware, software, and network issues at live events.
- Supported IT systems for 5+ large events by maintaining platform uptime for 500+ attendees.
- Improved inventory accuracy by 15% by automating tracking and reporting workflows.

### Data Analyst Extern

June 2025 – July 2025

*QED Energy Associates*

*Houston, TX*

- Built cost forecasting models by analyzing fixed and variable oil and gas production data in Excel.
- Improved data reliability by cleaning 100+ records and correcting 20+ inconsistencies.
- Reduced reporting time by 30% by developing 5+ KPI dashboards and interactive reports.

## PROJECT

### Chess Bot | *Python, Flask, React, PostgreSQL, Docker*

May 2025 – Present

- Built a full-stack chess application by integrating a React UI with Flask APIs and the Stockfish chess engine.
- Personalized engine behavior by conditioning engine decisions on FEN data from 10+ player games..
- Managed game-state persistence by storing player histories and match data in PostgreSQL.

### Real Estate Price Analysis & Prediction | *Python, Pandas, scikit-learn, Matplotlib*

July 2025 – August 2025

- Analyzed housing price trends by performing exploratory data analysis on property features.
- Predicted home values by training a linear regression model evaluated with  $R^2$  and mean squared error.
- Improved model interpret ability by visualizing predicted versus actual sale prices.

## LEADERSHIP

### Program Assistant

August 2025 – Present

*St. Elmo Brady STEM Academy*

*Houston, TX*

- Supported STEM program operations by coordinating schedules and assisting daily academic activities.

### Academic Coach

August 2024 – May 2025

*University of Houston Athletics*

*Houston, TX*

- Improved academic accountability by mentoring student-athletes and tracking academic progress.

### NBA Foundation Tech Challenge

November 2024

*NBA Foundation*

*Houston, TX*

- Pitched a tiered fan rewards system for the Houston Rockets based on app and game-day engagement.

## TECHNICAL SKILLS

**Languages:** Java, Python, C/C++, SQL, JavaScript, HTML, CSS, R, C#

**Frameworks:** React, Node.js, Flask, FastAPI

**Developer Tools:** Git, Docker, AWS, Excel, Power BI, Tableau

**Libraries:** pandas, NumPy, Matplotlib, scikit-learn