

# Malik Ahmadu

☎ 832-242-3622 ✉ [malikahmaduapply@gmail.com](mailto:malikahmaduapply@gmail.com) [in linkedin.com/malikahmadu](https://www.linkedin.com/malikahmadu) [github.com/malikahmadu](https://github.com/malikahmadu)

## Education

### University of Houston

Expected May 2026

Bachelor of Science in Computer Science 3.4 GPA

Houston, TX

- **Relevant Coursework:** Algorithms and Data Structures, Database Systems, Operating Systems, Computer Networks, Linear Algebra, Discrete Math

## Projects

### MyChessBot | JavaScript, HTML, CSS, Python

- Designed an AI-powered chess bot replicating user playstyle using over 100+ historical game records.
- Integrated a visual review interface for game replays with dynamic move highlighting and feedback.
- Tested bot performance over 50 simulated matches to evaluate and refine mimicry accuracy.

### BookFace MarketPlace | React, Django, PostgreSQL

- Built a full-stack e-commerce site supporting 20+ product listings, cart operations, and user login.
- Integrated dynamic filtering and mock payment simulation to enhance shopping experience.
- Reduced page load times by 40% with optimized React rendering and efficient API calls.

### WeatherWidget | JavaScript, HTML, CSS, OpenWeather API

- Developed a real-time weather app serving 50+ cities using the OpenWeather API.
- Implemented responsive design with temperature unit toggles and animated condition icons.
- Reduced API fetch time by 25% through asynchronous JavaScript and caching techniques.

### Test Subject 13 | C#, Unity 2D

- Built core gameplay systems and 5+ UI elements for a 2D platformer using Unity engine.
- Debugged and resolved 30+ collision and physics issues to ensure smooth player control.
- Collaborated in a 9-member team and completed a functional demo within 12 weeks.

## Experience

### Data Science Extern

June 2025

QED Energy Associates

Houston, Texas

- Developed Excel-based forecasting models to predict 2025 fixed and variable costs using over 100 rows of 2024 oil and gas production data.
- Created 5+ interactive dashboards and presentation-ready charts, identifying and correcting 20+ data anomalies.
- Streamlined reporting workflows by 30% using time series analysis and logical automation in spreadsheets.

### Athletic Academic Coach

Aug 2024 – May 2025

University of Houston Athletics

Houston, Texas

- Guided a caseload of 10+ student-athletes, developing personalized academic strategies for time management.
- Led over 50 one-on-one coaching sessions, contributing to a 15% average GPA increase.
- Tracked academic progress and submitted weekly reports to athletic advisors to ensure compliance.

### Computer Science Tutor

Aug 2023 – May 2024

CougarCS Tutoring

Houston, Texas

- Mentored 150+ students across 2 semesters, focusing on algorithms, data structures, and exam prep.
- Resolved over 200 programming queries in Python, Java, and C++, boosting code accuracy by 20%.
- Hosted 10+ group review sessions to reinforce CS fundamentals and increase retention.

## Technical Skills

**Frontend:** HTML, CSS, Javascript, React

**Backend:** Python, C, C++, C#, Node.js

**Database:** SQL, PostgreSQL, MongoDB

**Development Tools:** Git, Linux, Web3, DApps, VS Code, AWS