

FARAH ABDI

+1 (614) 360-5566 | farahaabdi22@gmail.com | [linkedin.com/in/farahabdi](https://www.linkedin.com/in/farahabdi) | github.com/Aabdi22k | portfolio.farahabdi.com

EDUCATION

The Ohio State University

Bachelors of Science in Computer Science & Engineering

Columbus, OH

May 2028 (Expected)

- Cumulative GPA: **3.9/4.0**

TECHNICAL SKILLS

Languages: Python, Java, C#, JavaScript, HTML5, CSS3, SQL, TypeScript

Frameworks: React, React Native, Expo, Node.js, MongoDB, TailwindCSS, Flask, Express.js, Django

Libraries: TensorFlow, Pandas, NumPy, Matplotlib, SKlearn, Seaborn, PyTorch, Keras

Developer Tools: Docker, Visual Studio, PyCharm, IntelliJ, Git, VS Code, Figma, Postman, ChatGPT, AWS

EXPERIENCE

Software Engineer Intern | React, Supabase, AWS

May 2025 – August 2025(Expected)

True Interpretation and Consultation Services LLC

Columbus, OH

- Designed and developed a scheduling system reducing time conflicts between employees and customers by **60%**.
- Implemented an admin dashboard speeding up the scheduling process and cutting time wasted per week by **3** hours.
- Cut deployment time by **75%** by configuring continuous deployment pipelines and hosting the app using AWS.
- Implemented automated email reminders using AWS SES, reducing appointment no-shows by **40%**.

PROJECTS

Solar Power Output Predictor | Python, Scikit-learn, Tensorflow, | Live App

Feb 2025 – Apr 2025

- Engineered a full-stack machine learning pipeline to predict solar irradiance (**GHI**), processing **450,000+** rows of data.
- Automated data ingestion from 2+ APIs (NREL, OpenMeteo), merging, cleaning, feature engineering, outlier handling.
- Trained and evaluated **10+** regression models, achieving **91.3%** prediction accuracy within **2 STD** bands.
- Deployed robust error analysis using custom metrics, improving forecast reliability for **GHI** estimations by **25%**.

2K Scout | React, TailwindCSS, Web-Scraping

Nov 2024 – Dec 2024

- Built a fantasy basketball tool featuring **500**-player data across **5** positions for team-building.
- Integrated interactive UI elements, allowing users to add, remove, and undo actions with instant updates.
- Developed backend scraping scripts to extract and organize NBA 2K25 stats, automating **100%** of data updates.
- Optimized app, enabling seamless resets, intuitive player management, and responsive performance across all devices.

Pathfinding Visualizer | Python, Git, Pygame

Sep 2024 – Oct 2024

- Developed a pathfinding visualizer using Python and Pygame to showcase algorithms like A*, Dijkstra, and BFS.
- Built an interactive grid-type UI allowing users to place 50+ obstacles and observe real-time algorithm execution.
- Optimized visual rendering for smooth animations, achieving frame rates of 60 FPS during complex simulations.
- Versioned and managed code with Git, enabling 100% seamless collaboration and change tracking

Sparkx Chat | JWT, React, Expo, MongoDB | Live App

Jun 2024 – Sep 2024

- Developed cross-platform (React/Expo) chat app on MERN, supporting 2 platforms; reduced deployment time by 20%.
- Enabled <100ms real-time messaging with WebSockets (Socket.io), improving user engagement by 30%.
- Secured user data with 99.9% reliability using JWT authentication.
- Optimized React/Expo UI, achieving 30% faster load times and 25% smoother responsiveness.

LEADERSHIP

Arabic Teacher

May 2021 – July 2025

Masjid Ibn Taymiyah and Islamic Center

Columbus, OH

- Designed and taught Arabic language curriculum to students of varying ages, creating an engaging learning environment.
- Managed classroom activities, assessed student progress, and provided individualized support for up to 80 students total.
- Mentored and guided students in their learning path, promoting cultural understanding and communication skills.