

# Farhan Mahbub

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## EDUCATION

### University of Central Florida

*Bachelor of Science in Computer Science*

Orlando, FL

Aug. 2021 - May 2025

## TECHNICAL SKILLS

**Languages:** Java, Python, C, C++, Go, SQL, HTML, CSS, JavaScript, TypeScript

**Frameworks:** TailwindCSS, React, Express, Astro, Vite

**Software:** Git, Github, Gitlab, VS Code, IntelliJ, Ubuntu, Microsoft Excel

## EXPERIENCE

### Knight Hacks

Oct. 2022 – Present

*Back-end Development Member*

- Implemented query resolver functions using SQL and GraphQL
- Integrated and tested query resolver functions with other backend members
- Helped other students with math or programming problems

### Shell Hacks hackathon

Sep. 2022

*Team Member*

- Worked with 3 teammates to implement a folder that organizes direct messages for Twitter within a time crunch
- Worked on the back-end using Python with the Flask framework to implement an API that allows you to create a folder and where you want the direct messages to go

### SchoolHouse World

May 2021 - Jul. 2021

*Mathematics Tutor*

- Taught students basic and advanced topics of Calculus
- Demonstrated a wide variety of applications that mathematical principles hold in programming

### FIRST Robotics

Aug. 2020 - May 2021

*Programming Lead*

- Introduced GitHub and Object-Oriented programming to middle and high school students looking to get into Robotics
- Worked on programming the movement of the robot and organized/wired the electronics
- Performed hardware integration testing on the movement of the robot and scoring capabilities

## PROJECTS

### Resume Portfolio | *TypeScript, React, TailwindCSS, Astro*

May 2023 - Present

- Making a portfolio website that showcases some of the projects I have done over time.
- Using TailwindCSS to create small animations for a good UX

### Grocery App | *TypeScript, React, TailwindCSS, Express, Vite*

Apr. 2023 - Present

- Making a small store app that allows users to add a selection of food items to their cart and check them out.
- Created a REST API that handles adding/deleting items from an Express server.
- Used React and TailwindCSS to make a simple and interactive UI for users

### Stocks Prediction | *Python, Jupyter Notebook, TensorFlow, Pandas, NumPy, yfinance*

Sep. 2022 – Oct. 2022

- Implemented an LSTM model with other members to predict the price of a particular stock within the next minute using previous prices within a month in one-minute intervals
- Worked on gathering datasets for stock prices learning and testing using the yfinance library

### Find My Professor | *Go, GraphQL, SQL, PostgreSQL*

Sep. 2022 – Nov. 2022

- Provides you with a list of professors and their review and rating analysis given a school name and course code
- Worked on the back-end and implemented query resolver functions for professors and courses
- Used SQL to manage CRUD operations on the PostgreSQL database used for this project