

# Aadhav Manimurugan

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## EDUCATION

### University of Texas at Dallas

*Bachelor of Science in Computer Science*

**Aug. 2022 – May 2026**

*Richardson, TX*

- Coursework: Data Structures & Algorithms, Probability and Statistics, Computer Architecture, Software Engineering, Linear Algebra, Systems Programming in UNIX

## PROJECTS

### SaaS Match

**Oct. 2024 – Present**

*Python, React, Flask, MongoDB, Firebase*

- Developed a **REST API** using **Python, Flask, and MongoDB** for seamless data storage and retrieval.
- Designed a dynamic, responsive frontend using **React**, ensuring an intuitive and seamless user experience.
- Integrated **Firebase** for user authentication to enable secure login and registration.

### Fantasy Premier League Points Predictor

**Nov. 2024 – Present**

*Python, Javascript, Sklearn, React, Tailwind*

- Created an **AI model** using **Python, Pandas, Joblib, and Scikit-learn** to predict stats for nearly **700 Premier League players**.
- Developed a “Team of the Week” feature that achieves a **15-point improvement** over the average player.
- Regularly updated the model weekly to maintain accuracy.

### Personal Portfolio Website

**Dec. 2024 – Present**

*HTML, Javascript, CSS*

- Created a visually appealing design using **CSS and JavaScript**, ensuring compatibility across devices and browsers.
- Implemented interactive features such as a navigation bar, animations, and project showcases

### AI Chatbot

**Aug. 2024 – Present**

*Python, NLTK*

- Developed an AI chatbot capable of interacting with users and providing relevant information.
- Implemented **machine learning models** to understand and respond to user queries.

## EXPERIENCE

### Texas Family Fitness

**May 2024 – Aug. 2024**

*Fitness Consultant/Sales Associate*

*Coppell, TX*

- **Exceeded sales goals** by surpassing monthly sales targets for memberships and supplements.
- Collaborated with fellow sales associates to develop strategies that achieved a **20% increase** in sales over a three-month period.

## ACTIVITIES

### Kappa Theta Pi

- Joined a professional technology fraternity to collaborate with members to host technical events, enhancing community engagement and professional growth.
- Contributed to coding projects and initiatives, gaining hands-on experience in many different languages and frameworks.

## TECHNICAL SKILLS

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

**Frameworks:** React, Node.js, Flask, Tailwind, Sklearn, MongoDB, SQLite, Firebase

**Developer Tools:** Git, Thunderclient, Postman, VS Code, Figma, MS Office, Netlify

**Libraries:** Pandas, NumPy, Joblib, TensorFlow, NLTK