Aadhav Manimurugan

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EDUCATION

University of Texas at Dallas — **Aug. 2022 – May 2026**
Bachelor of Science in Computer Science — *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 six-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