# Aadit Shah

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## Education

**Texas A&M University, College Station** May 2026
*B.S., Computer Science, Engineering Honors Program* *GPA: 3.9*

- **Selected Coursework** (**In progress*)**:** Data Structures*, Discrete Math*, Program Design, Linear Alegbra, Python Programming, Statistics

## Work Experience

**WorldLink US** May 2022 – August 2022
*Information Technology Intern* *Frisco, TX*

- Directed sales of hardware including MacBooks and SATA hard drives with company vendors, netting $6k+ profit.
- Presented information regarding RAID across cloud infrastructure to IT team, utilized through Office 365 and ADP.
- Deployed 35 Windows machines for employee usage, enhancing performance through increasingly efficient systems.

## Projects

**Cardiovascular Disease Prediction** | *Python, TensorFlow, Pandas, Scikit-Learn, NumPy, Keras*

- Optimized a deep learning model for predicting cardiovascular diseases, leveraging TensorFlow to design a multi-layer Sequential neural network with customized dropout rates, generating a top accuracy of 74.16%.
- Implemented hyperparameter tuning for the model, experimenting with various setups of layers, units, and rates.
- Completed data preprocessing and feature scaling on the dataset using Pandas, NumPy, and Scikit-Learn.

**Fantasy Football Analyzer** | *Python, NFL Next Gen Stats, Pandas, TensorFlow*

- Built a fantasy football program that predicts player potentials by analyzing historical player statistics.
- Applied modeling techniques including random forest, linear regression, mutual information, and principal component analysis to enhance predictions for quarterback, running back, wide receiver, and tight end performances.

**Neural Networks Parallels** | *Python, PyTorch, Flask, GPT-3.5*

- Developed a college football chatbot with an integrated personality, providing game analysis and statistics.
- Integrated GPT-3.5's summarization capabilities into the chatbot's back-end, showcasing API integration skills.
- Implemented robust error-handling mechanisms and optimized API calls, ensuring enhanced latency.

**RSS Summarizer** | *Python, GPT-3.5, feedparser*

- Designed an application utilizing feedparser to efficiently fetch and parse RSS feed data from various sources.
- Integrated GPT-3.5 into the back-end to take in a user-inputted prompt and output a summary of the data.

**taskademic - TAMUhack 2023** | *JavaScript, TypeScript, SQL, React*

- Created on an enhanced to-do list web application designed to alleviate the issues of Canvas off of students.
- Added collaboration features that allows for sharing of unique lists and creating study groups through such.
- Utilized PostgreSQL for the database and React, JavaScript, and TypeScript to build the front-end interface.

## Organizations

**Aggie Coding Club** Aug 2023 - Present

- Attended meetings and workshops, engaged in company talks, and collaborated on software design projects.
- Organization focused on software development through projects, meetings, and workshops over a variety of topics.

**Aggie Data Science Club** Aug 2023 - Present

- Engaged in machine learning projects and workshops with colleagues to enhance understanding in multiple fields.
- Organization centered around developing skills within the fields of data science and machine learning.

## Skills and Honors

**Languages:** Java, Python, JavaScript, LaTeX, HTML, CSS

**Frameworks:** React, Next.js, Node.js

**Tools:** Git, Pandas, NumPy, MATLAB, Google Colab, Jupyter Notebooks, SymPy

**Honors:** Texas A&M Engineering Honors Program, Plano Senior High School Coding Competition (2/27)

**Interests:** Baseball, Basketball, Christopher Nolan Movies, Hiking, Kendrick Lamar, Sudoku