Aadit Shah

(972) 832-3431 | aaditshah@tamu.edu
aaditshah.me | github.com/aadit2805 | linkedin.com/in/aadit2805

Education

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

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's Keras API to design a multi-layer Sequential neural network, generating an accuracy of 74.16% using customized layers, units, and rates.
- Applied hyperparameter tuning to increase accuracy by 5%, experimenting with 108 configurations of parameters.
- Completed data preprocessing and scaling on dataset of 70,000 people 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.
- Optimized player performance predictions by 25% compared to open-source models through the application of modeling techniques such as random forest, linear regression, mutual information, and principal component analysis.

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 backend and outputted to the frontend.
- Improved user experience by integrating error-handling protocols and tuning API requests, cutting latency by 35%.

Weather Text | *Python, GPT-3.5, Twilio, cron*

- Wrote a Python script to automate daily weather updates utilizing the OpenWeatherMap API for weather data.
- Integrated GPT-3.5 to receive clothing recommendations for the day, based off of the forecast and preferences.
- Used Twilio to send the messages, cron to automate the script, and DigitalOcean to host the program.

taskademic - TAMUhack 2024 | *JavaScript, TypeScript, SQL, React*

- Created on a collaborative to-do list web application designed to alleviate the issues of Canvas off of students.
- Utilized PostgreSQL for the database and React, JavaScript, and TypeScript to build the front-end interface.
- Delivered 4 technical demos to 75+ engineers and saw elevated interest by nearly 50% from prior surveying.

Organizations

Student Engineers' Council | *Project Manager & Society and Graduate Relations Chair* Feb 2024 - Present

- Work in maintaining websites for SEC activities including MembershipHub and Career Fair, utilzing MERN stack.
- Serve as liaison for 90 engineering student organizations and 4,500 graduate students in order to serve their interests.
- Host Open House, Graduate Student Career Fair, and Round Table that serve up to 80% of all students.

Skills and Honors

Languages: Java, Python, C++, JavaScript, Bash, LaTeX, HTML, CSS

Frameworks: React, Next, MongoDB, Express, TensorFlow

Tools: Git, AWS, Pandas, NumPY MATLAB, Google Colab, Jupyter Notebooks, SymPy

Honors: Dean's Honor Roll (2x), Texas A&M Engineering Honors Program, Plano Senior High School Coding Competition (2/27)