Aadit Shah

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

Education

Texas A&M University, College Station May 2027
Bachelor of Science in Computer Science, Engineering Honors Program *GPA: 3.94*

- **Coursework:** Artificial Intelligence, Algorithms & Complexity, Data Structures, Software Engineering, Computer Systems, Computer Architecture, Functional & Object-Oriented Programming, Discrete Mathematics, Linear Algebra.

Work Experience

Cox Automotive May 2025 - August 2025
Software Engineering Intern *Austin, TX*

- Architected a full-stack Media Management Platform powering vAuto's digital asset library using React, Go, and AWS Lambda to support **1M+ media assets** that are leveraged by **77% of all dealerships** across the nation.
- Implemented cursor-based pagination, dynamic search, and detailed asset modals with metadata, cutting **media retrieval time by 50%** across **13K+ collections** and integrated supporting API endpoints to production.
- Engineered sourcing workflows for ProfitTime GPS, a used-car inventory management platform, utilizing .NET and C# in an Agile environment to streamline dealer inventory acquisition and improve platform scalability.

Projects

GitaChat | *FastAPI, React, Next.js, Typescript, Python, Tailwind CSS*

- Created a **full-stack app** with FastAPI and React to output solutions to queries based on the Bhagavad Gita.
- Generated an **embedded search model** using sentence-transformers and cosine similarity, implemented web scraping for verse data, and translated data using Rest APIs to enable accurate verse retrieval and summarized commentary.
- Engineered a frontend web interface leveraging TypeScript and Tailwind CSS deployed through Vercel.

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

- Built a **deep learning model** for predicting cardiovascular diseases generating **accuracy of 87.4%**.
- Applied hyperparameter tuning to **increase accuracy by 5%**, tested with 108 configurations of parameters.
- Constructed a preprocessing pipeline for medical data, including feature scaling to enhance predictions.

Taskademic | *React, JavaScript, TypeScript, PostegreSQL*

- Created a web application designed to alleviate issues of course management systems by student collaboration.
- Delivered 4 technical demos to **75+ engineers** and saw **elevated interest by nearly 50%** from prior surveying.

Organizations

Student Engineers' Council Feb 2024 - Present
Systems Administration Co-Chair

- Develop responsive React websites supporting operations and events for **25,000 engineering students.**
- Lead a team of 3 developers maintaining internal platforms for council operations and alumni engagement.
- Oversee progress on 12 applications on Amazon EC2 utilizing Ruby on Rails, ASP.NET, and the MERN stack.

Career Fair Registration Coordinator

- Manage registrations for **500** companies at the largest student-run career fair in the U.S., serving **10,000+** students.
- Supported design of a CRM platform to manage and strengthen relationships with company representatives.

Skills and Honors

Languages: Python, Java, C++, C#, JavaScript, Haskell, Bash, LaTeX, HTML, CSS, MATLAB
Libraries & Frameworks: React, Next.js, Node.js, .NET, Express, FastAPI, Flask, Tailwind CSS
Tools & Technologies: MongoDB, AWS, Vercel, Linux, PostgreSQL, Git, TensorFlow, Scikit-Learn, Pandas, JSON
Honors: Dean's Honor Roll (4x), Texas A&M University at Qatar Ambassador