

Nafi Islam

Houston, Texas | (+1) 281-836-1193 | nafiislam@tamu.edu | [LinkedIn](#) | [Website](#)

EDUCATION

Texas A&M University

Bachelor of Science in Electronics Engineering & Minor in Computer Science

College Station, Texas

December 2025

EXPERIENCE

JPMorganChase

Software Engineering Intern

Houston, Texas

June 2025 – August 2025

- Optimized risk processing pipelines by adding dynamic book filtering and implementing Python-based caching, reducing high performance grid usage by 44%.
- Tuned quant-owned risk model parameters to selectively compute delta and vega sensitivities, improving runtime by 54% while preserving model integrity.
- Leveraged the Athena platform to access and manipulate portfolio, book, position, instrument, and cash layers for real-time financial modeling.

SpaceX Corporation

Software Engineering Intern

Hawthorne, California

May 2024 – August 2024

- Refactored and replaced legacy AngularJS codebase for a materials database with modular React components, reducing code by 66% and improving maintainability.
- Developed RESTful API endpoints using the .NET Framework to support CRUD operations and enhance backend service integration.
- Migrated and extended functionality within deprecated ngReact module, introducing ReactGrid for enhanced data rendering and component reusability.

Dell Technologies

Software Engineering Intern

Round Rock, Texas

May 2023 – August 2023

- Built and deployed a scalable .NET6 REST API endpoint to automate B2B quote triage workflows, improving efficiency for internal analysts and developers.
- Enhanced SQL queries, reducing execution time from ~60 seconds to under 10 seconds on production databases.
- Prototyped ML model for error message classification and resolution mapping, supporting smarter troubleshooting logic.

Tesla Incorporated

Software Engineering Intern

Fremont, California

January 2023 – May 2023

- Built reusable JavaScript, React, and Angular UI components for the Tesla Design System, deployed across high-traffic platforms including tesla.com.
- Wrote automated test cases with Jest and Selenium to validate UI component functionality and regression coverage.
- Authored 15+ internal documentation modules detailing design standards, integration patterns, and sample usage for component adoption.

JPMorgan Chase & Co.

Software Engineering Intern

Houston, Texas

June 2022 – August 2022

- Engineered a full-stack credential management system using React, TypeScript, and Python, deployed firm-wide to 1,000+ engineers for access control automation.
- Implemented request validation, token handling, and backend patching via Tornado APIs to resolve security vulnerabilities.
- Executed unit tests achieving 90%+ test coverage across frontend, backend, and API layers using tools such as Jasmine.

PROJECTS

- **journey.us:** Interactive geography game that challenges players to connect two random states, using a Breadth-first search algorithm, supporting 100+ monthly users. Developed using Svelte, SvelteKit, and Skeleton UI.
- **Eureka Chat Bot:** Discord bot that manages community engagement by leveraging intentional user invitations. Developed using Discord.py and TinyDB for in-memory data management.
- **VCF Generator:** A python script that automates the generation of contact cards, utilizing Pandas for data processing.
- **Blind Spot Monitoring System:** Project to demonstrate object detection using Arduino, infrared sensors, and LEDs to simulate blind spot alerts. Applies concepts such as analog vs. digital signals and pulse with modulation.

ACTIVITIES & SKILLS

Activities: TAMUhack, Institute of Electrical and Electronics Engineers, Texas A&M's The Big Event

Technical Skills: Python, C#, JavaScript, TypeScript, SQL, .NET, React, Angular, Git, Docker, Swagger, Linux, Bash