Nafi Islam

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EDUCATION

Texas A&M University   College Station, Texas
Bachelor of Science in Electronics Engineering & Minor in Computer Science   December 2025

EXPERIENCE

SpaceX Corporation   Hawthorne, California
Software Engineering Intern   May 2024 – August 2024

- Engineered modern web components using React and integrated them into a large-scale AngularJS application, significantly modernizing a comprehensive materials database and overhauling legacy code.
- Designed and implemented robust API endpoints using .NET Framework, supporting CRUD operations, to facilitate data retrieval and posting, significantly enhancing backend data flow and accessibility.
- Created Webpack and Vite build options and bundle settings, streamlining the development process and ensuring optimal application performance.
- Updated and modified external libraries, such as ngReact, to rectify deprecated features and enhance functionality and maintenance.

Dell Technologies   Round Rock, Texas
Software Engineering Intern   May 2023 – August 2023

- Expanded an existing C# .NET6 API by creating a new endpoint, streamlining the triage process for Dell B2B quotes based on order numbers, benefiting business analysts and developers.
- Optimized SQL queries to enhance database efficiency, resulting in improved response times and reduced server load.
- Utilized machine learning to design and configure a model for error message classification, sorting, and standardized resolution, solving error handling and troubleshooting.

Tesla Incorporated   Fremont, California
Software Engineering Intern   January 2023 – May 2023

- Developed reusable UI components for the Tesla Design System using JavaScript, React, and Angular, promoting consistent design patterns and seamless integration across company applications, notably tesla.com.
- Researched automated testing with Selenium WebDriver and PyTest and executed manual test cases using Jest and Handlebars.js to ensure component quality.
- Authored and maintained comprehensive documentation to follow and include design principles, guidelines, and code samples.

JPMorgan Chase & Co.   Houston, Texas
Software Engineering Intern   June 2022 – August 2022

- Developed an internal security management platform that allows users to populate requests that manage credentials for engineers' firm wide, programmed in React, TypeScript, and Python.
- Incorporated features consisting of user-validation based on RegEx, revision and termination of prior requests, and generation of tokens that levy expiration.
- Connected development stacks using the Tornado API and patched backend to disallow users from exploiting data.
- Concluded integration tests utilizing Jasmine and Karma on the frontend, backend, and API.

Projects

- **Eureka Chat Bot:** Discord bot that manages community engagement by leveraging intentional invitations. Developed using Python, Discord.py, and TinyDB for efficient data handling and interaction.
- **Formula 1 Dashboard:** Web application that delivers real-time race information, provides future race countdown timer, and recent podium results. Built with JavaScript and React, it integrates the Ergast API for up-to-date Formula 1 data.
- **VCF Generator:** A python script that automates the generation of contact cards, utilizing Pandas for data processing.

SKILLS, ACTIVITIES & INTERESTS

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

Technical Skills: Python, C#, SQL, HTML, CSS, JavaScript, TypeScript, React, Angular, .NET6, Git, Vim, Linux, Agile