

Siddharth Venkatraman

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EDUCATION

Texas A&M University

College Station, Texas

Bachelor of Science in Computer Science, Minor in Business / GPA: 3.76

May 2024

- **Relevant Coursework:** Data Structures and Algorithms, Computer Organization, Analysis of Algorithms, Machine Learning, Artificial Intelligence, Survey of Finance Principles, Survey of Accounting Principles
- **Awards:** National Merit Scholarship, Craig and Galen Brown Foundation Scholarship, President's Endowed Scholarship, Dean's Honor Roll, TamuHack 2024 1st Place
- **Leadership:** MSC Abbott Leadership Conference Delegate, Aggie Club of Engineers Service Chair, Freshman Leadership Organization Zone Leader, Freshman Orientation Camp Counselor

SKILLS

Technical: Python, Java, C++, C#, .NET Framework, AWS, Firebase, React, JavaScript, Node.js, Jira

Additional Certificates: Tableau Certificate, MySQL Bootcamp Certificate

WORK EXPERIENCE

Charles Schwab

Software Engineer, June 2024 – Present

- Improved **automation testing** accuracy and precision by resolving test failures across various trade types
- Analyzed and optimized test assertions to improve the speed and efficiency of regression testing

Charles Schwab

Software Engineering Intern, June 2023 – August 2023

- Automated regression testing for the Mutual Fund Legacy Bridge using **.NET** Framework, which decreased overall testing time and improved time to market by 3 weeks for the Trading Technologies Team
- Placed 1st in the Schwab Business Challenge Summit, designed User Interface for team's final product
- Increased efficiency and speed of mutual fund automation testing using **C#, SQL**, and IBM MQs

Peacock - NBCUniversal

Software Engineering Intern, September 2022 – December 2022

- Improved team efficiency and speed by developing **python** scripts to automate existing manual processes
- Studied project management principles through Agile Development and the Jira tracking suite

NBCUniversal

Software Intern, June 2022 – August 2022

- Implemented a new system for detecting and exporting expired GPG keys to automate database security
- Improved data transfer clarity for NBCU by developing custom forms using Microsoft services

NOTABLE PROJECTS

Financial Investment Portfolio (1st Place at TamuHack 2024)

React, Firebase, REST APIs, OAuth, JavaScript | <https://siddharthvenkatraman21.github.io/FinancialBoard/>

- Incorporated API calls and web scraping to allow users to compare live stock prices, analyze expert recommendations about specific investments, and view the latest news articles online for any company
- Implemented **Firebase** Backend to allow users to log in and track their budgeting progress over time

Chilifest Music Festival Ticket Resale Website (Over 7K Users)

Node, Express, React, JavaScript, AWS EC2, CSS | <https://chilifestbuilds.com>

- Developed a full-stack application using a React frontend, Express backend, and AWS EC2 for hosting, enabling users to create, manage, and delete posts for buying and selling tickets
- Collaborated with leaders in fraternities/organizations across campus to collect, standardize and present data in order to deliver an engaging experience at scale to over **7,000 users**