

# Siddharth Venkatraman

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## EDUCATION

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### 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 1<sup>st</sup> Place
- **Leadership:** MSC Abbott Leadership Conference Delegate, Aggie Club of Engineers Service Chair, Freshman Leadership Organization Zone Leader, Freshman Orientation Camp Counselor

## SKILLS

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**Technical:** Python, Java, C++, C#, .NET Framework, AWS Lambda, DynamoDB, React, JavaScript, Jira

**Additional Certificates:** Google Cloud Platform, Tableau Certificate, MySQL Bootcamp Certificate

## WORK EXPERIENCE

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### Charles Schwab

Software Engineer, June 2024 – Present

- Enhanced **automation testing** accuracy by 30% on the trading system to create more precise validation
- 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 1<sup>st</sup> 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

### NBCUniversal & Peacock

Software Engineering Intern, June 2022 – December 2022

- Developed automation for detecting expired GPG keys using Python to improve database security
- Studied project management principles through Agile Development and the Jira tracking suite

## NOTABLE PROJECTS

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### AggiePasses

ReactJS, AWS DynamoDB, AWS Lambda | <https://aggiepasses.com/>

- Built a dynamic sports pass resale platform using React, allowing users to easily create and remove listings
- Leveraged DynamoDB and AWS Lambda Functions to provide efficient data management and real-time post updates to deliver an engaging experience at scale to users

### Financial Investment Portfolio (1<sup>st</sup> Place at TamuHack 2024)

ReactJS, 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, ReactJS, JavaScript, AWS EC2, PostgreSQL, 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 campus leaders to collect data to deliver an engaging experience at scale to **8,000** users