Siddharth Venkatraman

sid.venkatraman17@gmail.com | 512-363-6565 | siddharthvenkatraman.com

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 (Full-Tuition), 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 Lambda, DynamoDB, React, JavaScript, Jira
Additional Certificates: Google Cloud Platform, Tableau Certificate, MySQL Bootcamp Certificate

WORK EXPERIENCE

Charles Schwab
Software Engineer, June 2024 – Present

- Enhanced automation testing accuracy **by 80%** on the trading system to create more precise validation
- Analyzed and optimized test assertions in over **200** test cases to improve the 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 **52** mutual fund automation tests 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 by **40%**
- Studied project management principles through Agile Development and the Jira tracking suite

NOTABLE PROJECTS

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 over **13,000 users**

Financial Investment Portfolio (1st 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 **11,000 users**