

MD SADIQ SADA

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EDUCATION

Stony Brook University

Expected: May 2022

BS in Computer Science, Applied Mathematics and Statistics

Cumulative GPA: 3.91 (Dean's List - all semesters)

SKILLS

Frontend	JavaScript, Typescript, HTML/CSS, React, Vue, Vuex
Backend	Node.js, Express, AWS (S3, Cloudwatch), GraphQL, Postman
Database	MongoDB, Firebase, PostgreSQL, SQLite
Mobile	Android Studio (Java), XCode (Swift)
Other	Java, C, Python, Git, Jest, Matlab, R

WORK EXPERIENCE & PROJECTS

Amazon

June 2021 - August 2021

Software Development Engineer Intern

- Designed a shared library for determining internet speed accurately within 10 seconds
- Wrote a low level design outlining an efficient implementation to reduce operational costs by 50%
- Developed the library using Node.js, AWS S3 and improved modularity by converting it to Typescript
- Tested the library using Jest unit tests with a coverage rate higher than 90%
- Learned VueJS, Vuex to build reusable UI components for usage across a monorepo
- Investigated blockers by reading Cloudwatch logs, isolated root causes to reduce dev time by 10%

PokeUnbox - bit.ly/PokeUnbox

December 2020 - December 2020

Personal Project

- Developed a Pokemon card unboxing simulator using the Pokemon TCG API where users can generate a random card out of 13000 possible choices
- Built API endpoints for users to add generated cards to a collection using Node.js with Express
- Created an interactive collection interface using ReactJS with Ant Design framework
- Implemented login protocol for users by reading permissions from a JWT

Vertically Integrated Project - Tech Businesses in Development

August 2020 - Present

- Collaborated with a group of seven people in an Agile environment to develop a web application under faculty supervision using React and Firebase to ease the process of creating course schedules
- Learned new technologies like Firebase, React and educated new members through workshops

Workout-Planner - bit.ly/WorkoutPlanner

June 2020 - July 2020

Personal Project

- Developed a workout tracker app using Android Studio (Java) to track workout sessions
- Created reusable workout session components using Android Studio Design Editor and XML
- Implemented CRUD operations for the workout sessions using Firebase Realtime Database

Mathnasium

March 2019 - August 2019

Instructor

- Taught mathematics to K-12 students, improved average student grade by 30%
- Communicated actionable ideas to parents and directors to improve the student experience