

Mostofa Adib Shakib

✉ adibshakib@gmail.com | 🏠 mynameisadib.herokuapp.com | 🌐 mostofashakib | in adibshakib

Education

Texas Tech University

DUAL BACHELOR OF SCIENCE DEGREE IN **COMPUTER SCIENCE & MATHEMATICS**, ADVANCED GPA: 3.90/4.0

Lubbock, TX

August 2017 - May 2021

- **Minor** in **Electrical Engineering**, NSBE APEX Scholar
- 1 out of **5988** students to graduate with 2 degrees and one minor from the College of Engineering in **4 years**

Work Experience

CDK Global

SOFTWARE ENGINEER INTERN

Austin, TX
June 2020 - January 2021

- Designed and implemented a UI dashboard that shows the API Usage Per Dealer report used to bill all **40,000** of CDK's worldwide customers
- Created a microservice that automatically sends an email to the operations team every time a customer publishes an app on the platform
- Reduced page load time by **30%** using an asynchronous method that calls an API in batches of **100**
- Wrote **TypeScript** using clean code principles to count unique organizations with approved users who logged into the platform in x days
- Used **Jest** for mocking functions and writing unit tests along with Istanbul setup for testing component coverage reports.
- Implemented **Oauth2** authorization code flow for a company hackathon project and deployed the web application using **AWS S3** bucket

Smooth Fusion

SOFTWARE DEVELOPER INTERN

Lubbock, TX
February 2020 - March 2020

- Built a **Node.js** script that calculates the efficiency of each developer relative to another, generates a report and emails them to the developers
- Developed a tool that parses JSON from Harvest & **Jira** API, and sends an email to each developer if their logged times are not in sync

Group Nire

SOFTWARE DESIGN ENGINEER INTERN

Lubbock, TX
September 2018 - December 2018

- Horizontally partitioned a **MongoDB** database to evenly distribute data and enhance database performance by **40%**
- Built a **JavaScript** program that calls different IoT devices collect their data, inserts them to a database and backs up the database periodically

Grameen Telecom Trust

SOFTWARE ENGINEER INTERN

Dhaka, Bangladesh
June 2018 - August 2018

- Replaced manual staff attendance tracking system with an automated system written in **PHP & MySQL** to reduce human labor by **480 hours**

Trio Student Support Services, Texas Tech University

PEER TUTOR

Lubbock, TX
May 2019 - February 2020

- Mentored over **150 students** and held study sessions to help students with Data Structures, Algorithms & Object-Oriented design

Hackathons & Projects

Auto Flow

HACKPRINCETON - PRINCETON UNIVERSITY — HACKATHON FINALIST & WINNER OF BEST USE OF API AWARD

Princeton, NJ

November 2019

- Selected as one of the **top 7** hacks and showcased the project in-front of **20 judges** and **400** participating contestants
- Implemented an NLP parser in **Python** that breaks down a text and builds an instruction tree in JSON format which is used to call different APIs
- Designed a vanilla **JavaScript** website, connected back-end routes and deployed the website on **Heroku**

Portal

HACKRICE - RICE UNIVERSITY — WINNER OF BEST WEB DESIGN AWARD

Houston, TX

August 2018

- Conceptualized & designed the front-end of a user-friendly Vanilla **JavaScript** website that describes a pet identification system
- Implemented the back-end routes using **Node.js**, deployed the website on **Heroku** and hosted the website on domain.com

Entrepreneurship & Leadership Experience

RaiderHacks

CO-FOUNDER & PRESIDENT

Lubbock, TX

January 2020 - Present

- Created Texas Tech University's first competitive programming focused student organization that competes at programming competitions
- Grew the organization to one of the largest Computer Science student organization at Texas Tech University with more than **80 members**
- Authored the constitution, opened a bank account, represented the organization at org fairs and mentored beginners
- Coordinated Sprint Planning, Daily Standups, Sprint retrospectives, Sprint Demos, Story Grooming, and Release Planning

Kurt's Steam Store, Steam Community Market

FOUNDER & CEO

Dhaka, Bangladesh

January, 2014 - July 2017

- Traded in-game virtual items with an initial **\$5 investment** and made over **\$30000 in profit** with a **6000%** return on investment
- Led all marketing effort managing a Facebook page with over **900 clients**, ad campaigns, and published blogs on several external websites

Skills

Languages

Python (Proficient), JavaScript (Intermediate), HTML, CSS, C++, TypeScript, SQL, NoSQL, Git, Bash, Java, Assembly language

Tools

Node.js, Linux, React, Redux, MySQL, Heroku, AWS Lambda, Jest, Beautiful Soup, Docker, Selenium, MongoDB, Jira