Mostofa Adib Shakib

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Education

Texas Tech University   *Lubbock, TX*
Dual Bachelor of Science Degree in **Computer Science & Mathematics**   *August 2017 - May 2021*
- **Presidential Scholar** with **Electrical Engineering** minor

Work Experience

CDK Global   *Austin, TX*
Software Engineer Intern   *June 2020 - August 2020*
- Wrote **TypeScript** using clean code principles to count unique organizations with approved users who logged into the platform in x days
- Improved the efficiency of search results in a **React** application by **60%** using fast exact string pattern-matching algorithms
- Implemented **Oauth2** authentication for a company hackathon project and fetched vehicle data from a third-party API
- Reviewed pull request assignments across the team of interns in Bitbucket and provided constructive feedbacks
- Participated in daily standups, sprint planning, grooming backlogs, sprint reviews, retrospectives

Smooth Fusion   *Lubbock, TX*
Software Development & Analytics Developer Intern   *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   *Lubbock, TX*
Software Design Engineer Intern   *September 2018 - December 2018*
- Wrote software design documentation and migrated existing development environment from Windows to **Linux**
- Horizontally partitioned a **MongoDB** database to evenly distribute data and enhance database performance by **60%**
- Built a **JavaScript** program that calls different IoT devices collects their data, inserts them to a database and backs up the database periodically

Grameen Telecom Trust   *Dhaka, Bangladesh*
Software Engineer Intern   *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   *Lubbock, TX*
Peer Tutor   *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   *Princeton, NJ*
HackPrinceton - Princeton University — Hackathon Finalist & Winner of Best use of API award   *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   *Houston, TX*
HackRice - Rice University — Winner of Best web design award   *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

Kurt's Steam Store, Steam Community Market   *Dhaka, Bangladesh*
Founder & CEO   *January. 2014 - Present*
- 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

RaiderHacks   *Lubbock, TX*
Co-Founder & President   *January 2020 - Present*
- Created Texas Tech Universityś first competitive programming focused student organization that competes at programming competitions
- Authored the constitution, opened a bank account and mentored beginners
- Developed the back-end routes of a web application using **Flask** and used **MySQL** database to store user's information

Skills

Languages Python (Proficient), JavaScript (Intermediate), HTML, CSS, SQL, NoSQL, Git, Java, C++, C#, Assembly language
Tools Node.js, Linux, React, MySQL, Heroku, AWS S3, Beautiful Soup, Docker, Selenium, MongoDB, Jira, AWS Lambda