

U Khyoi Nu

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EDUCATION

San Francisco State University

Master of Science in Computer Science; GPA: 3.86

San Francisco, CA

Jan 2019 – Dec 2020

Shahjalal University of Science and Technology

Bachelor of Science (Engg.) in Computer Science and Engineering;

Sylhet, Bangladesh

Jan 2013 – Sep 2017

PROFESSIONAL EXPERIENCE

San Francisco State University

Instructional Student Assistant

San Francisco, CA

Spring 2020, Fall 2020

- Helped four groups of students to successfully develop and deploy their web applications as class projects.
- Graded, mentored and occasionally instructed the courses - Introduction to Computer Programming (CSC 210), Data Structures (CSC 220) and Software Engineering (CSC 648/848).
- **Technologies:** Java, MySQL, Git, AWS

Summer Research Assistant

Summer 2020

- Achieved an AUC of 81% in classification and analysis of individual level physical activity using large scale data. Key contributions include - data preprocessing, feature engineering, developing machine learning models, extracting impactful determinants and data visualization.
- **Publication:** <https://ieeexplore.ieee.org/document/9308353>
- **Technologies:** Python, Tableau, Scikit-learn, NumPy, Pandas, SHAP

Backpack Technologies, Inc.

Software Development Intern

Dhaka, Bangladesh

Oct 2017 - Mar 2018

- Designed and developed a bulk messaging application that's used to send messages to 10,000 customers.
- Developed a flight booking site that helped in increasing the customer base of the company.
- Experimented on sales website with A/B testing resulting in an increased revenue.
- Collaborated with non-tech teams for data analysis that improved user experience.
- **Technologies:** React, Node.js, PHP, HTML, CSS, MySQL, Git, Optimizely, Postman, BigQuery, CircleCI, Docker

PROJECTS

Ceres

Sep 2019 - Dec 2019

- An online application to minimize food waste providing features like sharing of a fridge, shopping lists among multiple users.
- As the team-lead and full-stack developer in a team of six, key contributions include - designing the product features and database schema; setting up and maintaining the web server and MySQL database on AWS; developing key backend functionalities and database interactions.
- **Technologies:** Python, Django, HTML, Bootstrap, MySQL, Git, AWS, NGINX, uWSGI

Ekushe Bangla Keyboard

Oct 2016 - Sep 2017

- A gesture based transliteration keyboard for android with 50,000+ users on **Google Play Store**.
- Researched, designed, developed and tested the alpha version as front-end and back-end developer in a team of two.
- **Download Link:** <https://play.google.com/store/apps/details?id=com.bangla.keyboard>
- **Technologies:** Java, Android, Trie algorithm

ProctorSUST

Oct 2016 - Mar 2017

- A web application developed for university proctor office. The application supports different user views based on roles.
- As a full-stack developer, gathered requirements and designed the product features by communicating with users and stakeholders. Designed the database schema and developed key frontend and backend functionalities.
- **Source Code:** <https://github.com/khyokhyo/proctorSUST>
- **Technologies:** PHP, Laravel, HTML, CSS, Bootstrap, MySQL

TECHNICAL SKILLS

Languages: Java, Python, C, PHP, HTML, CSS **Databases:** MySQL, MongoDB, SQLite **Frameworks/Libraries:** Django, Laravel, React, Node.js, Bootstrap, Scikit-learn, NumPy, Pandas, SHAP **Tools/Technologies:** Git, Tableau, MATLAB, AWS, NGINX, uWSGI, XAMPP, Optimizely, IBM SPSS, Unity, Postman, LaTeX, Google SketchUp **Operating Systems:** MacOS, Linux, Windows

OTHERS

- Conducted a hands-on workshop on React for beginners attended by 30+ participants (2018).
- Participated in “HackBackPack 2”, a hackathon organized by Backpack Technologies, Inc. and was offered an internship opportunity (2017).