

U Khyoi Nu

Motivated fresh graduate with exposure to fast-growing startup scene seeking an opportunity to grow professionally and develop challenging solutions.

EDUCATION

MS in Computer Science Spring 2019 - Fall 2020
San Francisco State University, San Francisco, CA, USA

BSc in Computer Science & Engineering Jan 2013 - Sep 2017
Shahjalal University of Science and Technology, Sylhet, Bangladesh

PROFESSIONAL EXPERIENCE

Instructional Student Assistant Spring 2020, Fall 2020
San Francisco State University, San Francisco, CA, USA

Java, MySQL, Git, AWS

- 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).

Summer Research Assistant Summer 2020
San Francisco State University, San Francisco, CA, USA

Python, Tableau, Scikit-learn, NumPy, Pandas, SHAP

- 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>

Software Development Intern October 2017 - March 2018
Backpack Technologies, Inc., Dhaka, Bangladesh

React, Node.js, PHP, HTML, CSS, MySQL, Git, Optimizely, Postman, BigQuery, CircleCI, Docker

- Designed and developed a bulk messaging application that's used to send messages to 10,000 customers.
- Helped in increasing the customer base of the company by developing a flight booking site from scratch.
- Experimented on sales website with A/B testing resulting in increased revenue.
- Collaborated with cross-disciplinary teams for data analysis that improved user experience.

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 : Git, Tableau, MATLAB, AWS, NGINX, uWSGI, XAMPP, Optimizely, IBM SPSS, Unity, Postman, LaTeX, Google SketchUp

Operating Systems : MacOS, Linux, Windows

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PROJECTS

Ceres Sep 2019 - Dec 2019

Python, Django, HTML, Bootstrap, MySQL, Git, AWS, NGINX, uWSGI

- An online application to minimize food waste by providing features like digitally sharing a fridge, shopping lists among multiple users, searching for recipes based on existing items etc.
- As the team-lead, key contributions include – designing the product features and database schema collaborating with developers and stakeholders; setting up and maintaining the web server and MySQL database on AWS; improving the quality of the final product and codebase by reviewing and providing constructive feedback on pull requests.
- As a full-stack developer, a notable contribution to the project was development of the front and backend of the shared fridge and shopping lists feature which helped the product to stand out among all other projects in the class.

Ekushe Bangla Keyboard Oct 2016 - Sep 2017

Java, Android, Trie algorithm

- 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>

ProctorSUST Oct 2016 - Mar 2017

PHP, Laravel, MySQL, HTML, CSS, Bootstrap

- A web application developed for university proctor office. The application supports multiple user views based on roles.
- Gathered requirements and designed the product features by communicating with users and stakeholders.
- Designed database schema and built the website as full-stack developer in a team of two.
- Source Code – <https://github.com/khyokhyo/proctorSUST>

OTHERS

- Conducted a successful hands-on workshop on React for beginners attended by 30+ participants (2018).
- Got an internship opportunity by participating in “HackBackPack 2”, a hackathon organized by Backpack Technologies, Inc. (2017).
- Participated in “National Mobile Application Trainer and Innovative Application Development Program” (2015).