

NAYMUL HOSSAIN

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TECHNICAL SKILLS:

Development Java, JavaScript, Bash, Python, C, C++, Scheme, R, React, Angular, Bootstrap, HTML, CSS
Tools Dialogflow, Microsoft Azure, IBM Watson, Messenger SDK, Spring Boot, Git, SQL, Scrapy
Skills OOP, RESTful API, TDD, Unit testing, USSD, NLP
Interested Full Stack Development, Machine Learning, Data Science, App development, Web Development

EXPERIENCE:

bKash Limited

May 2019 - August 2019

Software Development Intern

Dhaka, BD

- Built a conversational agent with Dialogflow and implemented it with Messenger SDK to respond quickly to customers
- Re-created bKash USSD with Java, and used Spring Boot for TDD, while working to send money through messenger
- Developed SPA with React JS and designed it with Bootstrap to fit messenger's webview

icddr, b

June 2018 - August 2018

Data Analyst

Dhaka, BD

- Built a model to recognize satellite images aerially for land cover classification by integrating Python and R
 - Trained the model with satellite images using the cloud computing service Azure, and analyzed sample data with R
 - Facilitated by locating geocoordinates based on the land covers of remote areas for the medical team of icddr, b
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PROJECTS:

Customer Churn Detection:

[git.io/fhS0t](https://github.com/naymulhossain/fhS0t)

- Created a geographic segmentation model to tell which of the customers are at the highest risk of leaving
- Using 6 months history of around 10000 customers of those banks, an artificial neural network is trained
- Using artificial neural network, the model can solve classification problems and make predictions to similar scenarios

Bullying Shield:

[git.io/fhUM9](https://github.com/naymulhossain/fhUM9)

- Designed a browser extension to detect bullying statements in a webpage, and then remove those statements
- Using IBM Tone Analyzer API, an algorithm was developed using Python identify bullying statements
- Using Scrapy's framework, the extension can check through the webpage and convert bullying statements to asterisks

Mr. Docent (Mobile App):

[git.io/fpo02](https://github.com/naymulhossain/fpo02)

- Built a small android app from Thunkable which uses Microsoft Image Recognition to detect image and explain it
- User can take picture of any live object or choose from the gallery to understand more details about the object

TicTacToe with React:

[git.io/Je8zt](https://github.com/naymulhossain/Je8zt)

- Developed the TicTacToe game by implementing time travel using React JS and can be played online

Vehicle:

[git.io/Je8zl](https://github.com/naymulhossain/Je8zl)

- Created a project to mimic the application of a remotely controlled vehicles using Java
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EXTRA-CURRICULAR ACTIVITES

University of Waterloo Bengali Student Association, President

January 2019 - April 2019

We got the motivation to run the club so that we can welcome all the Bengali students to connect and taste the culture they miss long way from home. Additionally, we raised funds to donate to Rohingya refugees in Myanmar that have been misplaced from the Rakhine State in Myanmar due to uprooted violence and have fled to Bangladesh.

EDUCATION:

University of Waterloo

September 2017 - Present

Candidate for Bachelor's of Computational Mathematics (Minor in Computer Science and Statistics), Honours

- President's Scholarship of Distinction (95% or higher admission average)
- Coursework: Object-Oriented Software Development, Functional Programming, Algorithm Design and Data Abstraction, Data Type and Structures, Logic and Computation, Sampling and Experimental Design

Relevant courses: Deep Learning A-Z™ (Udemy), JavaScript Essentials (Udemy), CS50 (edX), MIT Open Courseware.