

NAYMUL HOSSAIN

🌐 naymul.com

✉ n5hossai@edu.uwaterloo.ca

🐙 github.com/n5hossai

☎ 519-573-6376

Summary:

Development Tools Java, JavaScript, React, Angular, Node.js, jQuery, Ajax, Python, C, C++, Bash, R, Scheme, SQL, HTML, CSS
Skills Dialogflow, Microsoft Azure, IBM Watson, Spring Boot, Git, Bootstrap, Scrapy, Microsoft Office
Interested in Object Oriented Programming, RESTful API, TDD, Unit testing, USSD, NLP
Full Stack Development, Machine Learning, Data Science, App development, Web Development

EXPERIENCE:

bKash Limited

May 2019 - Aug 2019

Software Development Intern

Dhaka, Bangladesh

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

icddr, b

Jun 2018 - Aug 2018

Data Analyst

Dhaka, Bangladesh

- Built a model to recognize satellite images aerially for land cover classification by integrating Python and R
- Trained the model with satellite images using Microsoft 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

Nerd Community

May 2017 - Aug 2017

Web Development Intern

Dhaka, Bangladesh

- Built webpages and created registration and recruiting forms using Node.js
 - Uploaded educational contents and preparatory materials to the website using WordPress and FileZilla
 - Created UI changes by converting static elements to responsive components using jQuery
-

PROJECTS:

Customer Churn Detection:

[git.io/fhS0t](https://github.com/n5hossai/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/n5hossai/fhUM9)

- Designed a browser extension to web scrape for any bullying statements with Scrapy
- Utilized IBM's Natural Language Processing API to perform sentimental analysis for the web page
- Generated the sentimental analysis score and classified bullying statements by python to be blocked with asterisks

Vehicle:

[git.io/Je8zl](https://github.com/n5hossai/Je8zl)

- Created a project to mimic the application of a remotely controlled vehicle using Java

Caesar Shift

- Built an encryption and decryption program, to be altered with different shift values, using C++
-

EDUCATION:

University of Waterloo

Sep 2017 - Apr 2021

Honours Bachelor of Computational Mathematics

Minor: Computer Science and Statistics

Relevant Courses: Object Oriented Programming, Deep Learning A-Z™, JavaScript, Algorithm Design & Data Abstraction, Data Types & Structures, Logic & Computation, Sampling & Experimental design

EXTRA-CURRICULAR ACTIVITIES

University of Waterloo Bengali Student Association, President

Jan 2019 - Apr 2019

- Recruited a team of 8 executives for the term and planned for upcoming events in monthly meetings
- Organised bi-weekly meet and greet events throughout the term for everyone to practise Bengali Culture
- Managed finances of the club to create monthly cash reports for cash surplus/deficit using Microsoft Excel