NAYMUL HOSSAIN

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SUMMARY:

Development	Java, JavaScript, XML, SQL, AngularJS, Node.js, jQuery, Python, C, C++, Bash, R, Scheme, HTML, CSS
Tools	TensorFlow, Dialogflow, Microsoft Azure, IBM Watson, Spring Boot, Git, Bootstrap, Scrapy, Scrum
Strength	Object Oriented Programming, RESTful API, TDD, Unit Testing, USSD, NLP, Ajax, Database Management

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EXPERIENCE:

bKash Limited (*Largest FinTech company of the country*)   *May 2019 - Aug 2019*
Software Development Intern   *Dhaka, Bangladesh*
· Integrated a conversational agent to increase the response rate to customers in Facebook by **70%** with **Dialogflow**
· Implemented bKash USSD **API** for transactions in Messenger with **Java** and performed unit testing with **Spring Boot**
· Developed **SPA** for Messenger's WebView with **React** and manipulated its DOM with **AngularJS** for transactions

icddr, b   *Jun 2018 - Aug 2018*
Data Analyst   *Dhaka, Bangladesh*
· Built a model to recognize satellite images aerially for land cover classification by utilizing **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*
· Developed webpages, created registration and recruiting forms using **Node.js**
· Implemented UI changes by converting static elements to responsive components using **jQuery**
· Integrated educational contents and preparatory materials to the website using WordPress and FileZilla

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PROJECTS:

Customer Churn Detection   *git.io/fhS0t*
· Created a geographic segmentation model to identify customers at high risk of leaving the bank with **Python**
· Using 6 months history for **10000** customers of those banks, an artificial neural network is trained with **TensorFlow**
Bullying Shield   *git.io/fhUM9*
· Designed a browser extension to web scrape for bullying statements with **Scrapy** during StarterHacks competition
· Utilized **IBM's Watson'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 blurred visually
Vehicle   *git.io/Je8zl*
· Created a project to mimic the application of a remotely controlled vehicle using **Java** with **OOP** concept
Caesar Shift   *git.io/JeEd0*
· Built an encryption and decryption program, to be altered with different shift values, using **C++** with **OOP** concept

EDUCATION:

University of Waterloo   *Sep 2017 – Present*
Candidate for Bachelor of Mathematics, Honours Computational Mathematics, Minor in 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*

AWARDS & EXTRACURRICULAR ACTIVITES:

Awards: University of Waterloo- President's Scholarship of Distinction (2017), The Daily Star Award (2015)
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 to practise Bengali Culture
· Managed finances of the club to create monthly cash reports for cash surplus/deficit using Microsoft Excel

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INTERESTED IN: Full Stack or Backend Engineering, Machine Learning, Data Science, App development