

# navid nafiuzzaman

✉ mxn4459@rit.edu 🌐 mxnavid.com 📞 (347) 740-5118 📍 US Citizen in mnavid 🌐 mxnavid

## + employment

### Deutsche Bank

Software Engineering Intern

June 2019 to Aug. 2019

Corporate Title: Technology Analyst Intern

Team: Corporate and Investment Banking

Domain: Global Transaction Banking (Global Receipt Processing Platform)

- Built micro services for Global Receipts Processing Platform using React and Spring Boot (Java)
- Built interactive and comprehensive guide for development and testing environment setup including the usage of artifactory used by teams across multiple North America Offices resulting savings in millions
- Develop unit test for React using Enzyme and used JUnit for Unit Testing Java code along with Cucumber Test for UI testing
- Worked in Agile environment using tools like JIRA for issue/ticket management and Git for VCS
- Actively participated Sprint Planning with full capacity, story refinement and daily standup. Demoed the stories at the end of the sprint across multiple teams
- Performed Regression, Sanity and Smoke test regularly and used CI tool like TeamCity
- Used Swagger to generate Swift Messages from XML and test API endpoints
- Won 1st Position in Intern Project for implementation of Sentiment Analysis tool for Cryptocurrency made using TextBlob, Twitter API, CryptoCompare API, Sci-Kit, Flask API (REST) and Python

### Architecture Technology Corporation

Software Engineering Co-Op

Ithaca, NY

Aug. 2018 to Dec. 2018

- Deployed virtual networks and scripted cybersecurity scenarios on cloud platform for electrical grid industry from scratch
- Created a network consisting of SCADA Servers and Industrial Control System (ICS) running protocols like ModBus, DNP3 and consist of HMI Clients, ICCP
- Developed programs using Python resembling attacks on electrical grids such as Stuxnet, BlackEnergy and Havex
- Incorporate Electric SCADA Network with Segregated Corporate and DMZ Network
- Deployed Firewalls, DHCP Server, NAT Rules using PfSense and VyOS
- Developed scripted response for attacks on electrical grid station saving millions of dollars in an event of assault

### Perfection Laser

Software Engineering Intern

New York, NY

May 2017 to Aug. 2017

- Built Django application using Python resulting in a system that gets an accurate sample of the product for the client with price and features
- Developed optimized trading tool using Java and Android Studio to ensure on-time alert and update for automated trading of cryptocurrencies
- Created responsive website for the company based on React, Node.js consisting of User Dashboard, Poll and Contact

## + projects

### Nearest Shelter (Java, Google Map API, Redcross API, Android Studio)

June 2017 to Current

- Developed Android app using Java and Android Studio to locate of nearest emergency shelters
- Integrated Redcross API to locate nearest shelter
- Used Google Map's API visually represent shelter
- Enabling user to suggest location of shelter. Using the community review, the suggested location will be displayed as a recommended shelter

### Bill Splitter (React Native, Google Cloud Vision API)

Aug. 2017 to Current

- Developed mobile application in cross-platform using react native
- Implemented OCR with Google Cloud Vision API to detect the letters in the receipt (Python Backend)
- User authentication using Google Firebase Authentication SDK
- Integrated Venmo (Braintree), Square API with the application to split bills with friends and family right from the app
- Currently building Web Application using ReactJS

## + summary

Software Development enthusiast with a particular interest in improving user experience along with security.

**Relevant Courses:** Mechanics of Programming, Introduction to Software Engineering, CS Theory, Analysis of Algorithm, Principles of Data Management, Programming Language Concept, Intro to Artificial Intelligence, Concepts of Computer System

## + education

### Rochester Institute of Technology

B.Sc Computer Science 2021

## + skills

### PROGRAMMING SKILLS

Python

Java

HTML5

C

Javascript

React Native

ReactJS

Bootstrap

Angular

Bash

Flask

### DEVELOPER TOOLS/AREA

Git

JIRA

BitBucket

VIM

Jetbrains' IDE

VS Code

Kali Linux

Pen-Testing

OpenVPN

Virtual Machine

Selenium

Cucumber

Enzyme/JEST

## + activities

RITficial Intelligence · Treasurer/Webdev Lead

- Moderating the Freshman/Beginner's group who are interested in learning Artificial Intelligence, Machine Learning, Deep Learning, etc.
- Coordinating and contributing in the website development of the club using Bootstrap
- Design and implement new strategies to attract new members to the club
- Directing and providing resources to the members interested in different branch of the club like GameAI, Image Processing, Natural Language Processing
- Managing financial concerns of the club
- Collaborate with other clubs of RIT in projects and events by establishing relationship