

## EDUCATION

### BSc. in Computer Science

Khoury College of Computer Sciences,  
Northeastern University, Graduating Dec '20

09/2016 – Present

Boston, MA

#### Courses

- Foundations of Cybersecurity
- Algorithms and Data
- Theory of Computation
- Networks and Distributed Systems
- Foundations of Data Science
- Cryptography
- Object Oriented Design
- Programming Languages
- Web Development

## WORK EXPERIENCE

### Network Analyst Co-op

John Hancock Financial

07/2018 – 12/2018

Boston, MA

#### Achievements/Tasks

- Worked alongside the Networking team at John Hancock in Boston. Helped detect vulnerabilities in Cisco Routers and reduced false positives from 200-plus to less than 20.

### Security Engineer Co-op

Rue Gilt Groupe

07/2019 – 12/2019

Boston, MA

#### Achievements/Tasks

- Created a MacOS and a Windows VM and tested if RueLaLa's website is vulnerable to ad injections.
- Made use of Akamai Luna Control Center for analyzing block traffic and blocking ISPs depicting bot trends.
- Wrote a python script that goes through the company directory and delivers a report which shows if any sensitive information is stored in clear text.
- Created a bastion host using terraform configured with AWS which ensured only authorized team members could access concerned server.
- Made use of Rapid7 to detect any suspicious activity occurring in the company system and took action accordingly.

## SKILLS

Python

Java

C++

HTML

CSS

AWS (familiar)

Terraform (familiar)

Rapid7 (familiar)

Dr. Racket

React

JavaScript

Redux

MySQL

JPA

JQuery

## PERSONAL PROJECTS

### Travel Planning website (2020)

- It is a web application where a user can look at travel plans created by travel agents(which is another user role).
- It is a react web app with a key feature being user authentication, where a user that is not a travel agent cannot create travel plans. A travel agent also cannot edit or delete travel plans created by other agents. Anonymous users do not have access to the same features as logged-in users.

### Animator (2019)

- Developed an animation software in Java using the MVC pattern in which the user gives a readable file with descriptions of the animation using which the software renders that particular animation.

### Basic Antivirus (2018)

- Developed a basic Antivirus system using python.
- It analyzes safe and malware binaries and produces signatures of malware
- Then, it analyzes some given binaries and determines if each one matches a malware signature or not.

### Robotic RPS (2017)

- Programmed a Robot to play Rock, Paper and Scissors with a user using C++, Bash and MATLAB.
- The user can play using a Wii mote. After a few rounds the robot attempts to guess the user's next move.

## ORGANIZATIONS

### Tech Together Boston (09/2019 – 01/2020)

Social Media Marketing

### Her Campus - Northeastern Chapter (2017 – 2018)

Blogger

## LANGUAGES

English

Full Professional Proficiency

Hindi

Full Professional Proficiency

Gujarati

Full Professional Proficiency

## INTERESTS

Cooking

Travelling