

# PRIONTI NASIR

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## + EDUCATION

### Rochester Institute of Technology

Bachelors of Science, Software Engineering  
RIT Founders Scholarship, Honors Program

Aug. 2017 – May 2022

## + EMPLOYMENT

### Software Engineer Co-op

#### HubSpot

Jan. 2020 – Mar. 2020  
Cambridge, MA

- Spearheaded the development of a complete search feature using **Elasticsearch** and **Java** for a tool that catalogs CRM actions
- Implemented **REST APIs**, CRUD and archiving functionality for a data analysis tool using **Java** and **Kafka** that lets software teams simulate probable features and analyse results to gauge consumer preferences
- Used **JavaScript** and **React** to build an interface for a tool that stores and displays results of ongoing feature simulations

### Software Development Research Assistant

#### National Technical Institute for the Deaf

Sept. 2019 – Dec. 2019  
Rochester, NY

- Developed **Python** scripts to systematize raw output produced by automatic captioning systems
- Used **spacy**, **gensim** and **word2vec** scientific libraries to evaluate AC systems against parameters that measure their efficiency
- Conducted experiments on **Linux** machines with deaf and hard-of-hearing volunteers to evaluate AC systems
- Coordinated the design of an **JavaScript** and **Python** application that gathers data from experiments done over Chrome

### Artificial Intelligence Intern

#### Intelligent Machines

June 2019 – Aug. 2019  
Dhaka, Bangladesh

- Created object detection model using **Tensorflow Object Detection API** for a nationwide retail automation project
- Curated and processed a large-scale dataset to train the object detection model
- Used **Microsoft VoTT** to annotate images in the dataset and produce label maps for the model

## + SKILLS

**LANGUAGES:** Python, C, Java, Ruby, JavaScript, SQL, GraphQL

**LIBRARIES, FRAMEWORKS AND TECHNOLOGIES:** Linux/Unix, Git & GitHub, AWS, Flask, React, Node.js

**COURSES:** Analysis of Algorithms (graduate level), Computer Science Theory (graduate level), Parallel And Distributed Systems, Data Management, Engineering Secure Software, Software System Requirements and Architecture

## + PROJECTS

### Shopify integration for copysmith.ai [node.js, GraphQL, React]

<https://www.copysmith.ai>

led a small team to build a **Shopify** integration for an AI-powered e-commerce service using **node.js** for backend, **GraphQL** to query data, **Shopify Billing API** to charge fees, and **React** on the frontend

### Scrapeit [Python, Reddit API]

<https://github.com/smellslikekeenspirit/Scrapeit>

created **web scraping** scripts to search for coupon codes or aggregate posts with a keyword through the **Reddit API**

### my-shell [C]

<https://github.com/smellslikekeenspirit/my-shell>

implemented shell in C that executes **UNIX** commands, uses fork-exec-wait to handle processes and keeps history

### spotify-sentiment-analysis [Python, flask, Spotify API, pandas, matplotlib]

<https://github.com/smellslikekeenspirit/spotify-sentiment-analysis>

built **flask** application that uses the **Spotify API** to access a user's top tracks, analyzes them and visualizes the results

## + AWARDS

### Best Activism Hack, Techacks 2020

awarded for flowerish, a game that promotes sustainability by motivating users to make environmentally-friendly decisions

### Honors Program, Rochester Institute of Technology

entry to this academically rigorous program is offered to the top 1% of incoming class

## + LEADERSHIP AND EXTRACURRICULARS

### Events Coordinator, Women in STEM at RIT

planning and organizing events that allow women to network and partake in meaningful discourse about navigating STEM fields

### Mentor, PrivaShe Hacks '20

worked as a technical mentor for Bangladesh's first all-female hackathon organized by PrivaC, a cyber-crime countermeasures service

### Features Writer, Reporter Magazine

working as a freelance contributor to RIT's official school magazine