

# PRIONTI NASIR

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## + EDUCATION

### Rochester Institute of Technology

Bachelors of Science, Software Engineering, Minor in Digital Humanities  
RIT Founders Scholarship, Honors Program

Aug. 2017 – May 2022

## + EMPLOYMENT

### Backend/Data Engineer Intern

#### Spotify

Aug. 2021 – Dec. 2021  
Boston, MA

### Software Engineering Intern, The Garage

#### Microsoft

May 2021 – Aug. 2021  
Redmond, WA

- Designed and implemented a new vertical for Bing Travel that suggests holiday destinations based on multiple user-defined criteria
- Developed a complete, production-quality API using **C#** that serves destination objects based on multiple filters efficiently
- Designed and built a feed view containing destination cards and a filter bar using **Fluent UI**
- Implemented logic to integrate the destination cards and filters with the API using **Web Components** and **TypeScript**
- Supervised development, version control and deployment in an **Agile** team of 7 interns in the role of Code Champion

### 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 data analysis tool that lets software teams simulate their upcoming features and analyze results to gauge consumer preferences
- Implemented archiving functionality and a **REST API** endpoint for the data analysis tool using **Java** and **Kafka**
- Built an interface to display clickable items that represent and describe ongoing feature simulations using **JavaScript** and **React**

### Software Development Research Assistant

#### National Technical Institute for the Deaf

Sept. 2019 – Dec. 2019, Sept. 2020 – Apr. 2021  
Rochester, NY

- Assisted in the research and development of a new metric, **ACE2**, for measuring the effectiveness of automatic captioning systems
- Developed **Python** scripts to systematize raw output produced by automatic captioning systems
- Used **spacy**, **gensim** and **word2vec** scientific libraries to evaluate AC systems using the ACE2 metric and the standard WER metric
- Built application using **JavaScript** and **Python** that gathers data from virtual experiments conducted with deaf volunteers

## + SKILLS

**LANGUAGES:** Python, Java, C#, JavaScript, TypeScript, SQL

**LIBRARIES, FRAMEWORKS AND TECHNOLOGIES:** React, Node, Flask, Elasticsearch, MongoDB, Firebase, Git & GitHub, AWS, Azure & Azure DevOps

**COURSES:** Distributed Systems, Data Mining, Engineering Secure Software, Software Architecture, Web Engineering, Human-Centered Design

## + PROJECTS

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

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

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

### Clarify [Firebase, JavaScript, node.js, React, Bootstrap, Ant]

<https://devpost.com/software/clarify-1he6ur>

a tool built using **Cloud Firestore** and **React** that facilitates interactivity in virtual learning environments

### my-shell [C]

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

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

## + AWARDS

### Major League Hacking Fellowship, Fall 2020, Major League Hacking x GitHub

fellows would write code for important open-source libraries and collaborate on real-world software issues

### Best Activism Hack, Techacks 2020

awarded for flowerish, a game that promotes sustainability by incentivizing environmentally-friendly decisions

## + LEADERSHIP AND EXTRACURRICULARS

### Events Chair, Women in STEM at RIT

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

### Mentor, PrivaC

technical mentor for all-female hackathons organized by PrivaC, a cyber-crime countermeasures service in Bangladesh

### Editor, Signatures

working as a literary editor and writer for [Signatures](#), RIT's award-winning magazine