

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

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

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

+ 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 motivating users to make 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, 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