

PRIONTI NASIR

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+ EDUCATION

Rochester Institute of Technology

Bachelors of Science, Software Engineering

Software Engineering Honors Scholar, RIT Founders Scholar

Aug. 2017 – May 2022

+ EMPLOYMENT

Software Engineer Co-op

HubSpot

Jan. 2020 – Mar. 2020

Cambridge, MA

- Created **REST** APIs and implemented 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 experiments
- Developed a complete search feature using **Elasticsearch** and **Java** for a tool that logs all events occurring within HubSpot

Software Development Intern

National Technical Institute for the Deaf

Sept. 2019 – Dec. 2019

Rochester, NY

- Tested commercial automated captioning (AC) systems with deaf and hard-of-hearing volunteers on a **Linux** system
- Developed **Python** scripts to systematize findings from experiments as well as output produced by AC systems
- Used scientific libraries in Python to evaluate findings from experiments with respect to parameters that affect efficiency of AC systems
- Evaluated the systems using a trained machine learning model to measure effectiveness in aiding communication

Artificial Intelligence Intern

Intelligent Machines

June 2019 – Aug. 2019

Dhaka, Bangladesh

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

+ SKILLS

LANGUAGES: Python, C, Java, Ruby, HTML, CSS, JavaScript, React, NoSQL

TOOLS AND TECHNOLOGIES: SQL, Django, Linux/Unix, Git, Jupyter Notebook, Vim, JetBrains IDEs

COURSES: Parallel And Distributed Systems, Data Management, Computer Science Theory,

The Mechanics of Programming, Analysis of Algorithms, Linear Algebra, Software Process and Project Management

+ PROJECTS

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

Scrapeit [Python, Reddit API]

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

Wrote **web scraping** scripts to search for coupon codes or aggregate posts with a keyword

WebCheckers [Java, JUnit Testing]

Developed checkers game following **Scrum** methodology, using Freemarker templates for UI and **JUnit** for unit testing

+ AWARDS

NSF Research Grant, National Science Foundation

Received for a project that seeks to study communication technology for the deaf and hard-of-hearing

Honors Program, Golisano College of Computing and Information Sciences, RIT

Entry to this academically and professionally rigorous curriculum is offered to top 1% of incoming class

+ OTHER EXPERIENCE

Features Writer, Reporter Magazine

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

Writer, The Daily Star

served as a contributor to Bangladesh's leading daily newspaper