

# SM Mashuque

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## EDUCATION

**Cornell University, B.S.** 05/2020

- Cumulative GPA: 3.43
- Major in Information Science. Minor in Computer Science.
- Relevant courses taken include OO Programming in Python, Data Science in Python, Data Structures in Java, Backend Web Development in PHP, Database Systems, and Systems Organization and Programming in C/C++.
- Deans List: Spring 2018, Spring 2019

## EXPERIENCE

**Software Engineer** 02/2021 - Present  
*HP Inc. (Houston, TX)*

- Created and maintained REST APIs using Spring framework. Technologies utilized include Java, Go, MySQL, Elasticsearch, and various AWS solutions such as CloudWatch, S3, DynamoDb, Lambda, SNS, SQS.
- Implemented APIs for a query saving feature.
- Created integration APIs for subscription management.

**Software Engineer** 06/2020 - 02/2021  
*PROS (Houston, TX)*

- Created and maintained REST APIs using Java Dropwizard framework and SQL Server.
- Implemented data security features, which isolated data between tenant groups.
- Wrote end to end tests to verify REST endpoint behaviors using the Cucumber framework.
- Implemented asynchronous and synchronous tasks for a workflow pipeline. The tasks performed actions such as generating configuration parameters, registering dataset schemas, cleaning up tables, and copying NoSQL data types to SQL server database.

**Software Engineer Intern** 06/2019 - 08/2019  
*UBS (Weehawken, NJ)*

- Created a micro-service using Flask, PostgreSQL, and AutoSys to monitor a Data Warehouse Infrastructure created with Airflow DAGs.

**Teaching Assistant in INFO/CS 2300: Backend Web Design** 08/2018 - 12/2018  
*Cornell University (Ithaca, NY)*

- Helped students with questions relating to server side data processing and creating dynamic pages using HTML, PHP, and SQLite.
- Met with professor weekly and helped grade assignments.

**Software Engineer Intern** 06/2018 - 08/2018  
*SinglePlatform (New York, NY)*

- Django MVC: Updated existing models, views, templates, and wrote unit tests.
- Created an API endpoint with pagination using Django REST framework.
- Created asynchronous tasks to update data, and send emails using Celery and SendGrid.
- Applied view restrictions with Python decorators.
- Created a GUI app in Python for internal use to automate schedule creation process using Google Calendar API

**Python Tutor** 08/2017 - 05/2018  
*Cornell University (Ithaca, NY)*

- Met with CS 1110 course students weekly and provided assistance with Python questions relating to homework, assignments, and exams.

## PROJECTS

**Takk - A Fundraising Platform for Higher Education.** 02/2019 - 05/2019

- Served as the lead developer. Designed and implemented an MVP with the Django Framework.
- Integrated Twilio and Stripe API with the Django application to enable phone calling and payment processing.
- Oversaw all aspects of the project and managed iterative improvements of the MVP.

**Emulated RISC-V CPU** 03/2019 - 04/2019

- Created a five stage pipelined CPU in Logisim.
- Adheres to the RISC-V ISA specifications.

**Live Nasdaq Data** 10/2018 - 11/2018

- Built a small web app to show live stock data.
- Integrated the app with IEX API for displaying latest stock price information.
- Built a React frontend with Django REST backend.

## SKILLS

### Programming Languages

Python	■■■■■■■■■■
Java	■■■■■■■■■■
C	■■■■■
C++	■■■■■
JavaScript	■■■■■■■
PHP	■■■■■

### Databases

PostgreSQL, SQL Server, MySQL	■■■■■
Redis	■■■

### Frameworks

Django	■■■■■
Dropwizard	■■■
Spring	■■■