

Sulbha Aggarwal

✉Sulbhaaggarwal12@gmail.com | ☎516-865-2108 | www.linkedin.com/in/sulbha-aggarwal | [Devpost](#)

SKILLS

Languages: Java · Python · HTML/CSS · SQL · C++ · PHP · JavaScript

Software: Informatica · Git/Bash · Express · Elasticsearch · Dart · JupyterNotebook · Angular · Bootstrap

EXPERIENCE

Data Engineer Team

Dec 2020 - Present

Bank of America

Jersey City, NJ

- Regulatory reporting engineer, data processing and pre-processing, manipulating data to produce meaningful information and enhance performance
- Automated monthly Axiom Report using Python in Anaconda, eliminating the manual work of extracting monthly reports
- Performs efficient tuning of pre-written SQL queries to optimize the usage of stored procedures to data Load
- Improved the code fix turnaround time by 25% by addressing and creating team coding issues documentation, ensuring consistency to create efficiency, accuracy in reporting and data analysis
- Implemented maplets in Informatica for common mapping by creating an Excel and analyzing 60 workflows, reducing data storage by 24%
- Coordinating and supporting migration of development items from DEV to SIT and SIT to PROD (bi-weekly) and vice versa (quarterly)

Research Intern (Full-Stack)

Jun 2020 - Sep 2020

IBM Research

Yorktown Heights, NY

- Migrated Web App from Angular 4.1 to 10.0, accelerating compilation, builds, and rebuilds by 60+%
- Contributed to drug repurposing app, modified backend, frontend, data pipelines, and built end-to-end test in Selenium Java
- Built the Feedback Data Collection API, enabling users to submit feedback on diseases, tested with NYC disease data set

College Assistant (Web)

Jun 2019 - Dec 2019

LaGuardia Community College

New York, NY

- Tutored high schools' students on Computer Science, Architecture, and languages like Java, and JavaScript
- Encouraged a self-motivated environment on a daily basis by frequently asking questions on the problem leading to an increase of ~8% in overall Grade

HACKATHON 1ST PLACES

Innovation Product of the Year, Def Hacks / 1st Place, AtlasHacks / Best Business Idea, SOS Hackathon / [fundIt](#)

April 2020- June 2020

- *Problem addressed:* raise capital for small businesses from everyday retail investors for equity
- Built iOS and Android app using Flutter, firebase, SQL, and Square API to implement payment portal

Best Education Hack / Best Use of Agora SDK, HackDSC / [eduSpace](#)

March 2020- May 2020

- *Problem addressed :* Full-featured communication platform for professor and students' interaction in real time
- Web based app using HTML5, CSS, JavaScript, PHP, SQL, chart.js and Agora API for video streaming functions

Best Hack for Driving Human Progress / IBM: Drug Repurposing for Cancer, TechTogether Boston / [pilterAI](#)

Jan 2020

- *Problem addressed :* Help find generic drugs for cancer treatment
- Created a simple Q and A model trained with ELMo for annotations for cancer and drugs. Used SciSpacy to increase quality of results

LEADERSHIP

Rewriting the Code

Sept 2019- Present

- RTC mentor, share my experiences and advice with incoming new RTC Freshmen and Sophomore
- Participate in personality and professional development webinars to become next generation of Engineers and Tech leaders

Queens College: Women in Computing club, Student Member

Jan 2019- Present

- Volunteered for multiple events and Facilitated 4+ talks for the weekly club hour

Nassau Community College: Association for Computing Machinery (ACM) club, Treasure

Dec 2017-Jan 2019

- Organized marketing and advertising campaign, resulting in a 30% increase in membership
- Invited Female technology guest speakers to help create a community of women and allies pursuing STEM; empowered 100+ community members

ACCOMPLISHMENTS

Hackathon Projects: Winner of 12x Hackathons: [Devpost](#)

Google Women's TechMakers for computer science Scholarship 2020: A scholarship awarded based on academic performance, leadership, and impact on the community of women in tech

ACM Richard Tapia Conference Scholar 2020: The Tapia Conference honors individuals who have made significant contributions in the areas of scientific research, civic science, and diversifying computing

EDUCATION

Queens College, City University of New York (CUNY) B.A. in Computer Science

Graduated May 2021

MITx, edX Micro Masters in Statistics and Data Science

Jan 2022 - present