

Swati Barua

swati.barua@nyu.edu | NY, NY

WORK EXPERIENCE

Data Engineer – Teach for America, New York, NY Jun 2019 - Present

- Implemented Jenkins Pipelines to automate deployments
- Coded multiple stored procedures, views, and unit tests using T-SQLt
- Created SSIS packages to manipulate data between data integrations and tested the integrations

AP Calculus Instructor – Double Discovery Center, Columbia University, NY Jan 2019 – May 2019

- Taught twenty-two students Calculus concepts for the AP Calculus Exam

Lead Instructor – Girls Who Code, Jersey City, NJ Summer 2018

- Lead a group of 20 high school girls and 1 Teaching Assistant on a 7-week curriculum at JPMorgan Chase site
- Taught computer science fundamentals such as: basic data structures, function, loops, conditionals and variables in the context of Data Science, Web Dev, Robotics, Python and Scratch
- Provided feedback on debugging individual/group coding projects, demos, execution of technical implementation, scope of projects, design decisions, ideation and presentation skills/format
- Maintained correspondence with Girls Who Code and JPMorgan Chase to coordinate classroom logistics, facilitate speaker series, and chaperone field trips

Robotic Process Automation (RPA) Intern – Travelers Insurance, Hartford, CT Summer 2017

- Delivered an RPA process that automated interactions between applications such as random.org, Single Sign On, Automation Anywhere (AA) and Traveler's internal password resetting sites to set/reset passwords in VMs
- Created 5 TaskBots and 3 MetaBots using AA according to specifications provided by the Tech Lead Consultant
- Applied concepts such as regex, error handling/exceptions, unit testing and modularizing to RPA
- Used Java to parse files and coded an algorithm that compared matching strings between two files
- Created the frontend of a messaging platform using Bootstrap Framework for a group project with three interns

Undergraduate Summer Researcher – New York University, Brooklyn, NY Summer 2016

- Plotted and programmed Tandon's history in an augmenting reality interface using Layar's API
- Implemented table definitions according to Layar's specifications and project's needs, sorted through Poly's archive to identify relevant data points, wrote insertion queries and executed other queries using PHP's prepared statements
- Wrote a seven page documentation of the whole project, published an abstract and presented in a poster session

EDUCATION

New York University Tandon School of Engineering – Brooklyn, NY 2018

Bachelor of Science in Computer Science, Minor in Integrated Digital Media (Design)

Certification: Azure Fundamentals

VOLUNTEER

Mentor – Built by Girls, NY, NY Jul 2020 – Present

- Mentored three mentees pursuing tech in college and high school

Member – NYU Tandon Alumnae Advisory Council, New York, NY Jun 2019 – Present

SKILLS

Technical Languages: SQL, T-SQL, T-SQLt, Python, Git

Tools: SQL Server, SSIS, Jenkins, Azure, Bitbucket, Jira, Confluence, SSMS, VS, Atom

Languages: Bengali, English **Hobby:** Photography (@[arcturus_inked](#))

ACHIEVEMENTS

2020 Hear Me Out Selectee, 2019 GHC Women of Color in Tech Scholarship, 2019 CodePath Interview Prep Selectee, 2018 Trivago Tech Camp 2.0, 2018 MongoDB World Diversity Scholarship, 2018 Grow with Google Scholarship (Android Development), 2017 Forbes Under 30 Scholar, 2017 Google's Women TechMakers