

# SWETA KUMARI

[swkumari@cs.stonybrook.edu](mailto:swkumari@cs.stonybrook.edu) | [swetakumari.com](http://swetakumari.com) | (631-428-6843) | <https://www.linkedin.com/in/sweta95/>

## EXPERIENCE (3 years)

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### Microsoft Corporation (Software Engineer II) – (C#, SQL, Azure)

Jun 2020-Present

- Led data engineering effort for Tips team which resulted in clean readily available data for analytics - including creating pipelines, extracting, transforming, storing data and privacy compliance.
- Worked on adding personalization abilities to the app, resulting in increased user engagement.
- Worked on making the app telemetry richer for understanding and making better design decisions

### Juniper Networks (Software Engineer II) – (Python, Docker, Kubernetes, Helm, Prometheus).

Feb 2019 - Jun 2020

- Designed and developed a network device telemetry project as Kubernetes app
- Developed modules across services and data engineering pipeline.
- Load Tested modules to benchmark performance and removed bottlenecks to reduce memory footprints.
- Worked on Kubernetes monitoring support for AppFormix, a monitoring/management product for multi cloud.

### Barclays (Software Engineer) – (Java, Spring, MySQL)

Jul 2015 -Aug 2017

- Worked with Barclays Notification Engine team & received recognition for extraordinary commitment
- Integrated new adapters to lower the cost of customer notifications sent across the bank
- Implemented a two-way SMS service, using which customers can chat with customer care
- Developed a tool to automate build and test in pre-production phase

## SKILLS

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**Languages:** Python, C#, SQL

**Frameworks/Tools:** Flask, Kubernetes, Docker, Git, REST, gRPC, scikit-learn, Helm, Grafana, Prometheus, Redis

## EDUCATION

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Stony Brook University, New York - *Master of Science, Computer Science*

Aug 2017 -Dec 2018

Sharda University, India - *Bachelor of Technology, Computer Science*

Aug 2011-May 2015

## PROJECTS

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### Document Classifier Engine

Python, scikit-learn

- Developed an 8-way document classifier model with accuracy of 91% by using Machine Learning techniques like SVM, Naive Bayes

### Solace - a chatbot for people in crisis

Flask, Python, IBM Cloud, Javascript, HTML

- Designed a website with inbuilt intelligent chatbot for people with mental health conditions.
- Winner at [HackHealth@SBU 2018](#) for Best Mental Health hack and Best UI/UX

### Salmon Modules for MultiQC

Python

- Implemented parser for various modules of Salmon, an open source quantification tool for RNA-seq.
- Integrated with MultiQC, an open source analyzer tool.
- Generated feature specific plots, heatmap for easier comparison between various samples.

### Los Angeles Payroll Analysis

Python

- Worked on statistical analysis and hypothesis testing on LA payroll data of government employees
- Used techniques like T-test, KS test, Wald's test, Linear Regression