SWETA KUMARI

swetakumari.com

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Education

Stony Brook University, New York
Master of Science, Computer Science Aug 2017 -Dec 2018
Big Data, Artificial Intelligence, Data Mining, Prob and Stats, Logic, Algorithms, Computational Biology

Sharda University, Greater Noida, India
Bachelor of Technology, Computer Science(GPA - 8.67/10.0) Aug 2011-May 2015

Experience

1 Million Women To Tech
Python Mentor July 2018 - Present

- Mentoring women of different backgrounds on Python.

Broadridge Financial Solutions
Software Engineer Intern Jun 2018 -Aug 2018

- Worked on Flask based web app to automate multiple business use cases like document/message classification using machine learning techniques

Social Development Neuroscience Lab @ Stony Brook University
Research Project Assistant Apr 2018 -Present

- Assisting the lab in extracting useful data from fMRI outputs and doing statistical analysis on them.

Barclays
Software Engineer Jul 2015 -Aug 2017

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

Rannlab Technologies
Software Engineer Intern Jun 2014 -Jul 2014

- Worked on Email Marketing Tool in C#

Skills

Languages : Python, Java, XSB-Prolog, SQL, HTML, CSS, Solidity
Frameworks/Tools : Spring, Flask, IBM Watson, JUnit, Maven, Git, SVN, REST, scikit-learn, Weka

Projects

Document Classifier Engine **Python, scikit-learn**

- Developed a 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 in crisis(anxiety, depression etc).
- Winner in 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.

State based approach in Spark Streaming for interactive analysis **PySpark**

- Implemented state based approach like G-OLA for batch queries on Streaming data interactively which supports SQL queries with aggregate operators like Count, Sum and Average