SWETA KUMARI

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EXPERIENCE (3 years)

Juniper Networks (*Software Engineer II) – (Python, Docker, Kubernetes, Helm, PromQL).* February 2019 - Present

- 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.

Broadridge Financial Solutions (*Software Engineer Intern*) – *(Python, scikit-learn)* Jun -Aug 2018

- Worked on Flask based web app to automate multiple business use cases like document/message classification using machine learning techniques. Achieved 94% accuracy.

Social Development Neuroscience Lab @ Stony Brook University (*Research Assistant*) – *(Python)* April -Aug 2018

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

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

Languages: Python, Java

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

EDUCATION

Stony Brook University, New York - *Master of Science, Computer Science (GPA – 3.6/4.0)* Aug 2017 -Dec 2018

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

PROJECTS

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 condition.
- 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.

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

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