**VINEE SHUKLA**

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**SUMMARY**

Python Developer with experience in build release management, software configuration, design, development, and cloud implementation (AWS). Strong exposure to Agile Software Development Life Cycle.

**EDUCATION**

**Harrisburg University of Science and Technology (2019 - June 2021)**

Master of Science, Computer Science **GPA**: 3.86/4

**TECHNICAL SKILLS**

**Programming Languages:** Python, R, SQL, Unix Shell Scripting, Verilog, Java

**Web Technologies:** HTML, JavaScript, ReactJS, CSS**,** XML

**Version Control Tools:** Git

**Tools:** Eclipse, Databricks, R Studio, PyCharm, Jupyter Notebook, Lotus Domino Designer

**Databases:** MySQL, SnowFlake, Mongo DB, PostgreSQL

**Big Data Technologies:** PySpark, Hadoop MapReduce

**Cloud Technology:** AWS, Microsoft Azure

**EMPLOYMENT**

**Capital One, Python Developer, McLean VA USA Dec 2021 – Present**

* Managed datasets using Panda, PySpark dataframes, and queried databases using  Python-MySQL connector and  Python Psycopg to connect to PostgreSQL.
* Created automated Python code for dataset validation on Databricks.
* Created an ETL pipeline to Extract, Load, and Transform data from Snowflake to S3 using Python.
* Used Pandas/Pyspark library for statistical Analysis.
* Designed, developed, and managed rest API on Amazon AWS architecture. Wrote application logic using Python.
* Developed entire frontend and backend modules using Python on Django Web Framework.
* Developed views and templates with Python and Django’s view controller and templating language to create a user-friendly website interface.
* Designed and built various reports & dashboards on Tableau.
* Wrote SQL queries to retrieve summarized data.

**Ismile Technology, Software Developer, USA June 2021 – Dec 2021**

* Developed application for stock returns analysis based on Fama French Models. Built a portfolio optimizer using Python Django framework for client view to automate the manual workflow.
* Worked on Microsoft Azure to build the infrastructure using VM, Blob storage, and data lake.
* Used Power BI for creating a data visualization.
* Worked on front-end frameworks like CSS Bootstrap for the development of Web applications.
* Used Unit Test Python library for testing many programs on Python and other codes.
* Developed and Tested features of a dashboard using CSS, JavaScript, Django, and Bootstrap.
* Used Pandas API to put the data as time series and tabular format for east timestamp data manipulation and retrieval.

**IBM, Software Developer, India Nov 2014 - April 2018**

* Involved in various phases of the Software Development Life Cycle (SDLC) such as requirements gathering, modeling, analysis, design, and development.
* Wrote complex SQL queries and PL/SQL functions.
* Used Python Library Beautiful Soup for web scrapping.
* Designed and Developed the REST style web services using Python and Flask, Postgres Database.
* Designed and developed the test cases for REST API, Involving REST API test framework development.
* Involved in Unit testing and developed the unit test cases using the PyUnit framework.
* Responsible for analyzing various cross-functional, multi-platform applications systems enforcing Python best practices, and providing guidance in making long-term, scalable architectural design decisions.
* Hands-on experience in administrative tasks such as publishing workbooks, setting permissions

**Infosys Limited, Software Engineer Trainee, India Feb 2014 - Aug 2014**

* Received hands-on experience in OOps concepts, Oracle PL/SQL, C sharp, Java, Asp.net, and Ado.net. Built an online banking transaction application.
* Designed database layers using Oracle, business layer using c sharp and application layer using Asp.net and Ado.net.