

# VASU SHARMA

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## PROFESSIONAL SUMMARY

Experienced professional with undergrad in Computer Science and Masters in Data Science, having more than 4 years of industry work experience in Python, Databases, Cloud technologies. Primarily looking for Software Developer or Data Engineer roles.

## WORK EXPERIENCE

### GOOD UNITED

**Charleston, South Carolina, USA**

Python Developer; Company : Tatra Data Services Private Limited, Delhi, India

Feb 2022 – Aug 2022

- Worked in AGILE while developing Python workflows using serverless architecture for a bot where different micro-services triggered and interacted with each other using AWS Lambda and Simple Queue Service.
- Integrated AWS Elastic Cache into APIs resulting in optimization of API response time by 45%.
- Worked on sync jobs in Python scheduled in AWS resulting in optimizing API response time by 70%.
- Developed mechanisms to optimize data storage in the database leading to 75% optimization in data refresh time for materialized views through optimization techniques such as indexing and partitioning.

### Globalshala

**Remote**

Data Analyst Intern

Jan 2022-Feb 2022

- Worked on the analysis of an online ad and created dashboard on Tableau. Worked on analysis of different parameters such as Reach, Impression, Unique Clicks, Revenue etc. of ad.

### CAPITAL GROUP | AMERICAN FUNDS

**Irvine, California, USA**

Senior System Engineer; Company : Infosys Ltd., Pune, India

Aug 2017 – Feb 2021

- Worked in AGILE with client BA and led a team of 5 members while gathering requirements, coding, unit testing deployment and delivery of project successfully 2 months ahead of time with minimal production issue.
- Involved in System Design and Analysis, Database Modelling, with hands-on multiple RDBMS(PGSQL , MSSQL, Sybase).
- Developed Python scripts which were scheduled in Autosys software to call stored procedures.
- Worked on messaging system enabling seamless communication and data retrieval through Flask APIs.

### Infosys Ltd.

**Mysore, India**

Intern

Jan 2017-May 2017

- Developed an online shopping application where a fresh user needs to first sign in only then is he/she eligible to buy or sell products. It was developed on Django with PGSQL Database.

## TECHNICAL SKILLS

- **Programming** : Python (Pandas, NumPy, Pyspark, TensorFlow, Scikit, NLTK, Seaborn), PowerShell, C#, C, R, Unix, HTML5
- **Databases** : PostgreSQL, SQL, Sybase, Amazon RedShift, MYSQL, Neo4j, MongoDB
- **Frameworks** : Flask, Django, Apache Spark
- **CloudTechnology** : AWS (Glue, Athena, SQS,RDS, DynamoDB, EC2, S3, Lambda, CloudWatch ,Elastic Cache), GCP(Big Query, Looker Studio)
- **Messaging System** : Tibco EMS, RabbitMQ, Apache Kafka
- **Modelling** : Linear Regression, Logistic Regression, Support Vector Machine, Naive Bayes Multinomial, K-Means, Random Forest, XGBoost, KNN, CNN, ARIMA, SARIMA, Auto Regression, FBProphet
- **Other Technologies**: TABLEAU, POSTMAN, Apache Airflow, Autosys, JIRA, XL Deploy, Bitbucket, Bamboo, CI/CD Confluence, Jupyter, VSCode

## EDUCATION

### Indiana University Bloomington

**Bloomington, Indiana, USA**

Master of Science in Data Science

Aug 2022-May 2024

Relevant courses: Applied Algorithms, Advanced Database, Introduction to Statistic, Information Visualization, Data Mining, Stats for Effective Decision Making, Intro to Intelligent Systems, Applied Database Technologies, Management Access Use Big Data, C, Unix, SQL

### SRM University

**Delhi, NCR, India**

Bachelor of Technology in Computer Science and Engineering, Graduated with Distinction

May 2013-May 2017

## Certifications Completed:

- Certified in Big Data with Apache Spark and Python.
- Certified in Data Engineering using AWS Data Analytics.
- Completed Python for Data Science and Machine Learning Bootcamp.