

# 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, AdvancedDatabase, Introduction toStatistic, 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 DataEngineering using AWS Data Analytics.
- Completed Python for DataScience and Machine Learning Bootcamp.