

# Vasu Sharma

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## Personal Profile

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/Data Engineer/Data Scientist roles.

## Work Experience

### TATRAS DATA SERVICES PRIVATE LIMITED

Delhi, India

Associate Software Engineer-Python ; Client :- GOOD UNITED

Feb 2022 - Aug 2022

- Developed 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. All the implementation have been done following AGILE methodology.
- Developed a sync job in Python scheduled in AWS for populating data in flat tables resulting in optimizing API response time by 70%.
- Integrated AWS Elastic cache with API to improve dashboard response time. Developed mechanisms to optimize data storage in the database leading to 75% improvement 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.

### Infosys Ltd.

Pune, India

Senior System Engineer ; Client :- CAPITAL GROUP| AMERICAN FUNDS

Aug 2017 - Feb 2021

- Successfully led end-to-end development as the sole software developer, delivering new modules, APIs, stored procedures, scripts, and jobs two months ahead of deadline. AGILE methodology have been followed while implementing these modules.
- Implemented Checkout Automation for APIs, optimizing business processes by 70% and significantly reducing costs by 50%..
- Developed Python scripts which were scheduled in Autosys software to call stored procedures.
- Implemented various reports to provide crucial insights for business users.
- Implemented APIs to obtain data from upstream and downstream data transmission.
- Worked on enterprise messaging system enabling seamless communication and data retrieval from other applications

### Infosys Ltd.

Mysore, India

Software Engineer Intern

Jan 2017 - May 2017

- Flea Market: It was online shopping and selling 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 DOT Net MVC with SQL Database.

## Technical Knowledge

### Programming Languages

Python (Pandas, NumPy, Pyspark, Tensorflow, Scikit, NLTK,Seaborn),Powershell,C#, C, R, Unix, HTML5, CSS3, JS

### Databases

PostgreSQL, SQL, Sybase,Amazon RedShift, MYSQL,Neo4j

### Frameworks

Flask, Django,Apache Spark

### Cloud Services

AWS (Glue,Athena, SQS,RDS,DynamoDb, EC2, S3, Lambda, CloudWatch,Elastic Cache),GCP(Big Query,LookerStudio)

### Messaging System

TibcoEMS, RabbitMQ,Apache Kafka

### ML algorithms

Linear Regression,Logistic Regression,Suport Vector Machine,Naive Bayes Mutinomial Theorem,K-Means,Random Forest,XGBoost,KNN,CNN,ARIMA,SARIMA,Auto Regression,FBProphet

### Other Tools and Technologies

TABLEAU,POSTMAN,Apache Airflow, Autosys, JIRA,XL Deploy,Bitbucket,Bamboo, CI/CD,Confluence,Jupyter,VSCo

## Education

### Indiana University Bloomington

Bloomington,Indiana, USA

MS in Data Science

Aug 2022 - May 2024

- Courses completed: 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

B.Tech in Computer Science and Engineering

May 2013 - May 2017

- Graduated with Distinction.

## Certifications Completed

- Certified in Taming Big Data with Apache Spark and Python
- Certified in Python DataStructures from the University Of Michigan on Coursera.
- Completed Python for DataScience and Machine Learning Bootcamp from Udemy.