



# Sagar Toms



DOB: 19 October 1994



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## Education

M.Tech

CSE, specialized in Information Security | College of Engineering, Trivandrum | 2021 (Expected) | CGPA: 8.11 (Upto S1)

B.Tech

Computer Science and Engineering CUSAT | 2016 | CGPA:7.86/10

Class XII

THSS Mallappally | 2012 | 84 %

Class X

SBHSS Vennikulam | 2010 | 80 %

## Skills

Programming

Python, C, C++, HTML5/CSS

Azure Stack

Data Factory, HDInsight Spark Cluster, Databricks, Azure SQL Server, Cosmos DB, Automation Account

Big Data & Analytics

Apache Hadoop, Apache Spark

Stream Processing

Apache Kafka

Databases

MS SQL, MySQL, Azure SQL Data Warehouse

Operating Systems

RHEL, Ubuntu, Windows

## Summary

A technology enthusiast, experienced in Python, Apache Spark and Microsoft Azure with a passion to build software solutions using latest technologies.

## Work Experience

Apr-Aug'19 Senior Systems Engineer - Infosys Limited | Trivandrum 5 Months

Data warehouse development

Experience in end-to-end implementation of Data Warehouse in Microsoft Azure stack for a fortune 500 logistics major. Worked on developing automation scripts for efficient management of Azure resources which reduced the cloud utilization costs. Experience in deploying Azure components to higher environments using ARM templates.

Jul'17-Mar'19 Systems Engineer - Infosys Limited | Trivandrum 1.8 Years

Near real-time reporting of deliveries

- Developed Azure databricks notebooks and scheduled them using Azure Data Factory with Azure Analysis Services as underlying reporting layer which helped a Fortune 500 logistics major for near real-time reporting of their deliveries.

Big Data Centre of Excellence (CoE) Team

- Developed batch and streaming jobs using Apache Spark for processing big datasets.  
- Developed a machine learning endpoint for a big data real-time streaming framework using PySpark code which enables users to apply machine learning algorithms on real-time streaming data.  
- Configured load balancing on Python Flask uWSGI Server and Plumber in R to enable high throughput for applying machine learning algorithm on streaming data.  
- Developed an ad-hoc reporting tool based on Python (Flask-SQLAlchemy), HTML5 and JavaScript(Chart.js, D3.js), which plots static visualizations based on REST API calls. Implemented custom caching layer for caching the datasets which provides better performance than parquet files.  
- Created SQL scripts to automate the repetitive tasks which drastically reduced the development time.

Feb-Jun'17 Systems Engineer Trainee - Infosys Limited | Mysore 4 months

Trained in Python and SAP ABAP from Infosys Global Education Centre, Mysore. Scored as High Performer (HPF).

## Virtual Internship

May '20 JPMorgan Chase & Co. 5 Hours

Participated in the open access JPMorgan Chase & Co. Virtual Internship with InsideSherpa - Tasks Completed: Establishing Financial Data Feeds, Frontend Web Development, Data Visualization with Perspective.

## Achievements

- Completed course on Google Cloud Platform Big Data and Machine Learning Fundamentals with Coursera, May 2020.  
- Received 2 Insta Awards and Rising Star badge from Infosys for the contributions and outstanding performance rating in the CoE Team, May 2018 & Jun 2018.  
- Awarded Gold Level Badge for problem solving in HackerRank, Jan 2019.