

## Tapas Gupta

Current Employer : Tata Consultancy Services (2014 – Present), India

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GitHub : <https://github.com/tapas91>

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## Summary

6+ years of Software Development experience in Designing, Development, Deployment of web apps based on Python, HTML, CSS, JavaScript, RDMS. Professional BigData and Machine Learning experience using Hive, Python, SQL.

## Skills

Python3, HTML5, CSS3, JavaScript, SQL and PL/SQL, Jinja2, TypeScript, Shell Scripting, REST API, Docker, Git, SVN, Bitbucket, Postman, Apache Airflow. Frameworks: Flask and Angular7.

## Description

- Designed and upgraded client's Enterprise Application Integration System using Python and orchestration tool Apache Airflow.
- Worked extensively in Agile Development process.
- Designing ETL Data Pipelines in Python for multiple workflows.
- Writing REST web services for third-party tools for integrating in Airflow using Flask Framework.
- Worked extensively with JSON, HTTP Requests and Web scraping.
- Customized Airflow's Operators and Hooks for working with third-party tools.
- Customized Airflow Plugins using Flask, Jinja2, HTML, CSS and JavaScript.
- Containerizing and Deploying Airflow by using Docker.
- Rich experience in Statistical Models, Machine Learning Algorithms like LR, Decision Tree.
- Designing Back-end Python Scripts to fetch millions of records from Data Warehouse, Performing Data Wrangling with Pandas, Numpy, applying Machine Learning Algorithms and generating reports and charts onto HDFS servers.
- Sound technical knowledge in Spark, Kafka, RabbitMQ, Hive, MySQL, Postgres, PL/SQL, CI/CD Tools like Jenkins.
- Familiar with Google Cloud Platform, AWS.
- Involved with the team in translating business requirements into technical specifications.
- Worked with Python Libraries for ML like Statsmodels, Scikit-Learn, Matplotlib using structured and unstructured data.
- Worked on entire life cycle of projects: project initiation, requirement analysis, design, delivery & deployment.
- Strong analytical and problem-solving skills.

## Side Project

Few of my side-projects published on Git:

In my personal space I have explored Angular7 (a Front-end framework) and designed a small project which is a web application for a Hotel. It comprises of multiple components and services. A service

has been designed to GET data using REST API. This service is consumed by a component which displays the data set.

Another project where I have used Apache Airflow and designed a DAG which will fetch data from Postgres DB and raise ServiceNow Incidents for each record using POST request.

A web-scraping project in Python which sends a mail to user using SMTP when the price of a product falls down on Amazon marketplace.

## Qualifications

Degree and Date	Institute	Major and Specialization
Bachelor of Engineering(2009- 2013)	New Horizon College of Engineering (VTU) , Bangalore	Computer Science

## Awards & Certifications

Received Innovation Pride Award and Best Team Award.

Oracle SQL Fundamentals and Oracle PL/SQL Developer

I have cleared the following exams:

- 1Z0-051 Oracle Database 11g: SQL Fundamentals I
- 1Z0-147 Program with PL/SQL
- 1Z0-007: Introduction to Oracle9i: SQL
- 1Z0-047: Oracle Database SQL Expert
- 1Z0-144: Oracle Database 11g: Program with PL/SQL

## Personal Details

Date of Birth	26/05/1991
Nationality	Indian