

# Prathamesh Tanavade

Mumbai, Maharashtra, India

tanavadep@gmail.com

9158487468

[prathameshtanavade.github.io](https://prathameshtanavade.github.io) | [github.com/PrathameshTanavade](https://github.com/PrathameshTanavade) |

[www.linkedin.com/in/prathamesh-tanavade-00b510212](https://www.linkedin.com/in/prathamesh-tanavade-00b510212)

## Summary

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Skilled engineer with experience in building end-to-end data solutions using open-source tools and familiarity with cloud technologies.

## Skills

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- Python
- SQL
- Bash
- Apache Spark
- Apache Airflow
- Apache Kafka
- Microsoft Azure - Synapse Analytics, Databricks, Data Lake Storage Gen 2
- Microsoft Power BI
- Microsoft Purview
- Data Analysis
- Data Visualization

## Notable Projects

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### Trending Twitter Hashtag: [bit.ly/3JKyvr1](https://bit.ly/3JKyvr1)

Tools: Python, Apache Kafka, Apache Spark, MongoDB, FastAPI, ReactJS

- Simulated a live Twitter Tweet Feed using Python, Faker Library and Apache Kafka
- Used Apache PySpark to analyse the Tweets to calculate the trending hashtag at every one minute interval for major cities in the USA.
- Stored the results on MongoDB Atlas Cloud Server from which the most recent results were made accessible using an API built with FastAPI as backend and ReactJS as the frontend with UX.

### PostgreSQL to MongoDB: [bit.ly/3PRavGr](https://bit.ly/3PRavGr)

Tools: Apache Spark, PostgreSQL, MongoDB

- Imported data from two tables in Postgres, joined using Spark and wrote to MongoDB Atlas Cloud Server.

## Education

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### Bachelor of Engineering in Electronics and Telecommunication

Ramrao Adik Institute of Technology, Nerul **Mumbai University**

## Certifications

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### Tata Data Visualisation: Empowering Business with Effective Insights Job Simulation on Forage - September 2023

- Completed a simulation involving creating data visualisations for Tata Consultancy Services
- Prepared questions for a meeting with client senior leadership
- Created visuals for data analysis to help executives with effective decision making

### **PwC Switzerland Power BI Job Simulation on Forage - September 2023**

- Completed a job simulation where I strengthened my PowerBI skills to better understand clients and their data visualisation needs.
- Demonstrated expertise in data visualisation through the creation of Power BI dashboards that effectively conveyed KPIs, showcasing the ability to respond to client requests with well-designed solutions.
- Strong communication skills reflected in the concise and informative email communication with engagement partners, delivering valuable insights and actionable suggestions based on data analysis.
- Leveraged analytical problem-solving skills to examine HR data, particularly focusing on gender-related KPIs, and identified root causes for gender balance issues at the executive management level, highlighting a commitment to data-driven decision-making.

### **Quantium Data Analytics Virtual Experience Program on Forage - August 2023**

- Conducted analysis on your client's transaction dataset and identified customer purchasing behaviours to generate insights and provide commercial recommendations.
- Identified benchmark stores that allow you to test the impact of the trial store layouts on customer sales.
- Used the analytics and insights to prepare a report for the client.

### **Accenture Data Analytics and Visualization Job Simulation on Forage - August 2023**

- Modelled data to create valuable insights.
- Created a powerpoint presentation for the client that reports on their content performance.
- Carried out the presentation to the client explaining them the insights gained from the analysis.

### **J.P. Morgan Software Engineering Virtual Experience on Forage - July 2023**

- Set up a local dev environment by downloading the necessary files, tools and dependencies.
- Fixed broken files in the repository to make web application output correctly.
- Used JPMorgan Chase's open source library called Perspective to generate a live graph that displays a data feed in a clear and visually appealing way for traders to monitor.

### **J.P. Morgan Agile Virtual Experience Program on Forage - July 2023**

- Understood the Scrum software development process and team roles at JPMC
- Wrote user stories and documented them using Trello cards.
- Refined backlog using story points to estimate relative level of effort.
- Explored the structure and benefits of the scrum team daily standup meeting
- Understand the purposes and benefits of conducting Sprint Reviews and Sprint Retrospectives