

Harshal Talele

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EDUCATION

University of Rochester *MS (Data Science)*

Rochester, NY, USA

CGPA – 3.62/4

Aug 2022 – Dec 2023

Key Courses – Time Series Analysis, Data Mining, Computational Statistics, Statistical Machine Learning, NLP

Position of Responsibility - Teaching Assistant for GBA465 - Python Analytics course

Savitribai Phule Pune University *BE (Computer)*

Pune, India

CGPA – 8.49/10

Jun 2016 – Aug 2020

Key Courses – Database Management Systems, Data Analytics, Data Structures, Distributed Systems

PROFESSIONAL EXPERIENCE

IQVIA (159 Solutions Inc.) - Healthcare Data Science company

Pune, India

Data Analyst

Sep 2020 – Jun 2022

- Delivered analytics to support the pharmaceutical drug sale of \$5.6B with an increase of 98% over previous year
- Designed Tableau dashboards to visualize the Covid-19 epidemic metrics and the EDI 867, EDI 852 sales data
- Collaborated in the migration of the cloud database infrastructure from Teradata & Azure to AWS S3

Skills required – Tableau, SQL, MS Excel, MS PowerPoint, Alteryx, Business Acumen, Data Storytelling

Achievement – Presented with 'Ovation Award' for managing offshore work stream that included organizing daily catch ups, client interaction & weekly stakeholder deliverables

Medialytics - Data Science driven Ed-Tech developing startup

Pune, India

Data Science Intern

Aug 2019 – Feb 2020

- Developed a decision support system to optimize the digital marketing budgets by predicting trend durations
- Implemented data engineering pipelines to store Twitter, YouTube & Google Trends data in the database
- Worked on exploratory data analysis in R & built classification machine learning models such as Random Forest, KNN, Xgboost & Naïve Bayes to achieve an accuracy of 84%

Skills required – Python, R, PostgreSQL, Machine Learning, Exploratory Data Analysis, Git, Leadership

Achievement – Successfully headed a team of 8 in the software development phase of the project & planned the hand-over to a new team in limited duration of time

Fluidonomics Solutions LLP - Technology services providing company

Pune, India

Software Engineer Intern

Jan 2019 – May 2019

- Developed a web application for an HR Management website of a company with 4000+ employees
- Performed bug fixing cycles & user acceptance testing on the developed modules

Skills required – Angular, MongoDB, JSON, Git

PROJECTS

Forecasting Bike Inventory for Citibike | [GitHub Link](#)

Apr 2023 – May 2023

Developed an end-to-end data-intensive application in Databricks to track and forecast the inventory of bikes and the available docks at the given station in New York City

Technologies Used – PySpark, Databricks, MLFlow, ETL, EDA, Facebook Prophet, Git

Dynamic QA Generator for Research Papers | [GitHub Link](#)

Mar 2023 – May 2023

Enabled efficient interpretation of research papers by summarizing them in a Q&A format using a T5 model fine-tuned on a modified QASPER dataset and OpenAI API-generated data

Technologies Used – Text-to-Text Transfer Transformer Model, LLM Fine Tuning

Analyzing Political Interest of Indian American | [GitHub Link](#)

Nov 2022 – Dec 2022

Generated insights on the political bias of Indian Americans from their tweets related to US presidential elections

Technologies Used – Topic modelling using LDA, Sentiment Analysis, Tableau

100Ascent | [Mobile App Link](#)

Aug 2021 – Dec 2021

Designed a NoSQL database structure for a fitness motivation mobile app and analyzed user behavior based on generated data to support informed business decisions

Technologies Used – NoSQL, MS Excel, Data Engineering

SKILLS

Python, R, SQL, NoSQL, MS Excel, Tableau, Alteryx, Machine Learning, Natural Language Processing, PySpark