

HARSHAL TALELE

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SUMMARY

Data professional with a 3-year track record, specializing in crafting end-to-end solutions that transform data into actionable insights. Currently working in client-facing role at a healthcare consulting firm, he brings to the table a robust technical background, showcasing expertise in business intelligence dashboarding, database operations, predictive modeling, and time-series analysis.

EDUCATION

Master of Science (Data Science) University of Rochester, USA	Aug 2022 – Dec 2023 GPA – 3.63/4
• Courses – NLP, Statistical Machine Learning, Time Series Analysis, Computational Statistics, Data Mining	
Bachelor of Engineering (Computer Science) Savitribai Phule Pune University, India	Aug 2016 – Jun 2020 GPA – 8.49/10

SKILLS

Programming & Database Languages – Python, R, PySpark, SQL, NoSQL, MongoDB, Google BigQuery
Software Tools & Technologies – Tableau, Looker, Databricks, Alteryx, MLFlow, IBM Cognos, Denodo, Advanced MS Excel, Git
Technical Skills – Machine Learning, Natural Language Processing, Time Series Forecasting, ETL, Exploratory Data Analysis, Hypothesis Testing, Statistical Analysis, A/B Testing, Quality Assurance, Quality Control

PROFESSIONAL EXPERIENCE

Associate, Insights & Analytics Blue Matter Consulting – <i>Management Consulting firm in healthcare space</i>	Jan 2024 – Present
• Automated data classification by defining rules and implementing Python scripts, slashing processing time from hours to seconds	
• Developing a data pipeline to scrape and extract clinical trials data and medical research for KOL identification	
Skills – Python, SQL, MS Excel	
Data Scientist Intern University of Rochester – <i>Department of Business Intelligence & Data Warehousing</i>	Jun 2023 – Dec 2023
• Classified academically struggling students among 12k students to facilitate early academic support achieving 81% recall	
• Implemented data virtualization to integrate data, create Denodo views to generate data feeds for model training and deployment	
• Employed Jira, Scrum, and Sprint methodologies to collaborate across teams for efficient project management	
Skills – Python, SQL, Feature Engineering, Scikit Learn, IBM Cognos, Denodo, Agile software development	
Data Analyst IQVIA (159 Solutions Inc.) – <i>Healthcare Data Science company</i>	Sep 2020 – Jun 2022
• Provided analytical support by designing a launch tracker and creating dashboard reports for the client's new drug launch	
• Utilized Alteryx, MS Excel, and Tableau to process EDI 852, 867 sales, and EPI data to generate weekly stakeholder deliverables	
• Conducted ad-hoc analysis using HCOS, DDD data, and PLD to analyze patients and sales across demographics and geographies	
• Completed training to acquire deep understanding of Claims data (835/837) and pharma Commercial Analytics techniques	
• Collaborated with cross functional teams to migrate database from Teradata & Azure to AWS S3 by conducting QC and sanity checks	
Skills – Tableau, SQL, Advanced MS Excel, Alteryx, Quality Assurance, Quality Control, Business Acumen, Data Storytelling	
Achievement – Recognized with ' Ovation Award ' for managing offshore work stream that included organizing daily catch ups, facilitating client engagement & stakeholder deliverables as per client needs	

PROJECTS

Forecasting Bike Inventory for Citibike GitHub Link	Apr 2023 – May 2023
• Developed an app for 50k+ users , to monitor bikes and empty dock availability by building a forecasting model for net bike change	
• Implemented ETL pipelines with Spark streaming to process incoming data, creating bronze, silver, and gold data-level delta tables	
Skills – PySpark, Databricks, MLFlow, Time Series Forecasting, ETL, EDA, Version Control Tools (Git), Data Engineering	
Dynamic QA Generator for Research Papers GitHub Link	Mar 2023 – May 2023
• Developed a QA model to aid efficient comprehension of research papers by summarizing relevant information in the form of Q&A	
• Fine-tuned T5 models on OpenAI-modified QASPER dataset with 1.5k+ papers for question generation and answer generation task	
Skills – Python, Large Language Models, Data Preparation, OpenAI API	
Analyzing Political Interest of Indian American Tableau Link	Nov 2022 – Dec 2022
• Analyzed data from 2.8k unique Indian Americans' tweets to identify political trends and biases ahead of 2024 presidential elections	
• Designed Tableau dashboard illustrating the topics and sentiment within the community based on party affiliations and geographies	
Skills – Python, Topic modelling, Sentiment Analysis, Tableau, Twitter API	

POSITIONS OF RESPONSIBILITY

Vice President – Rochester Indian Association Website Link	June 2023 – Feb 2024
Managing events and coordinating communications for a community of 500+ graduate students and alumni network	
Graduate Teaching Assistant – Simon Business School	Jan 2023 – Mar 2023
Python Analytics – Supported the professor in grading assignments & labs and conducted office hours to assist students	