

Smit Prajapati

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PROFESSIONAL SUMMARY

Detail-oriented and analytical MSc Computer Science graduate with strong proficiency in Python, SQL, Tableau, Power BI, and Excel. Experienced in data wrangling, statistical analysis, and machine learning through hands-on academic projects and professional web development. Skilled in transforming raw data into actionable insights to support business decisions. Adept at building dashboards, performing predictive modeling, and applying data visualization techniques. Eager to bring a data-driven mindset to solve **business and customer-centric problems**.

SKILLS

Programming & Scripting: Python, SQL, C++, Java, PHP, JavaScript, HTML/CSS

Data Analysis & Statistics: Descriptive Stats, Hypothesis Testing, Regression, Data Cleaning, Data Modelling, Validation

Machine Learning: Classification, Clustering, Regression (Scikit-learn, Pandas, NumPy)

Data Visualization: Tableau, Power BI, Matplotlib, Seaborn, Streamlit

Databases: MySQL, SQLite, Data Warehousing

Tools & Platforms: Jupyter, Git, APIs, AWS, Azure

Productivity: Excel (Pivot Tables, VLOOKUP, Power Query), Google Sheets

Other: Business Intelligence, Data Mining, SDLC, Object-Oriented Programming (OOP)

EDUCATION

University of Leicester, Leicester, UK

MSc Advanced Computer Science | Sep 2022 – Nov 2023

- Key Modules: Big Data & Predictive Analytics, Data-Driven Intelligent Service Design
- Dissertation: Sentiment Analysis on COVID-19 Tweets—Data Analytics & ML

Gujarat Technological University, India

Bachelor of Engineering (BE), Computer Science & Technology | Aug 2017 – Jul 2021

- Key Modules: Big Data Analytics, Data Mining, Business Intelligence
- Project: Driver Safety Foresight System

PROFESSIONAL EXPERIENCE

Technokrit Solution, India

Web Developer | Aug 2021 – Aug 2022

- Managed backend data flow and database structures using MySQL, focusing on optimizing query performance and relational integrity for healthcare records.
- Generated weekly user behavior reports resulting in a feature adoption increase of 10%, using Excel and SQL for reporting and insights.
- Collaborated with stakeholders to define data requirements for features like appointment tracking and user registration, translating business needs into data-driven solutions.
- Cleaned, transformed, and validated structured data from the web platform to support internal analytics and performance dashboards.
- Developed RESTful APIs and integrated external data sources to enrich platform functionality, contributing to enhanced data accessibility.
- Led performance optimization initiatives that improved web app speed by 30%, including script minification, caching, and database tuning.
- Used Git and JIRA for version control and agile task management, enabling traceability and collaborative development.

PROJECTS

Sentiment Analysis on COVID-19 Tweets—Data Analytics & ML, Leicester, UK | Jun 2023 – Sep 2023

- Built a sentiment analysis model in Python to classify COVID-19 tweets into positive, negative, and neutral categories.
- Extracted and processed Twitter data via APIs, addressing limitations such as rate limits and data restrictions.
- Evaluated multiple machine learning classifiers to optimise model accuracy.
- Developed a Streamlit web app to display key insights, including top influencers and trending topics.
- Created interactive Tableau dashboards to visualise sentiment trends and patterns.

Manhattan Real Estate Predictive Analysis, Leicester, UK | Feb 2023 – Mar 2023

- Cleaned and transformed Manhattan real estate sales data from 2012–2013 to predict property selling prices.
- Conducted data exploration and statistical analysis to identify correlations and patterns.
- Developed and optimised predictive models using Random Forest Regression and K-Means Clustering.
- Visualized data trends and prediction outputs using Python and Tableau.

Portfolio: <https://github.com/smit2399>