

SANKET PRAVEEN PATIL

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EDUCATION

DePaul University

Master's, Data Science

September 2023 - March 2025

GPA: 3.85/4

Savitribai Phule Pune University

Bachelor's, Mechanical Engineering

June 2015 - June 2019

GPA: 7.85/10

SKILLS

- Data Analysis and Machine Learning: Python, R,Pandas, Scikit-learn, caret, mlr, TensorFlow, Data Mining, Data Analysis, Machine Learning, Regression, Classification, Clustering, Applied Statistics/Probability, Data Visualization, Tableau, Power BI
- Database Management : SQL, NoSQL, MySQL, PostgreSQL, Data Warehouses, Relational Databases
- Programming and Web Development: C/C++, HTML, Flask API, command line
- Advanced Techniques: k-NN, Neural Networks, Recommendation Systems, Forecasting, Time Series Analysis, Text Analysis using natural language processing
- Cloud Platforms, Project Management and Tools: GCP, Big Query, JIRA, Microsoft Excel, Advanced Excel, matlab, econometrics, networking, training, quantitative analysis, Git, Apache Spark, Google Sheets, Docs, Meet, Outlook, Teams

PROFESSIONAL EXPERIENCE

FIGmd India Private Limited an MRO Company

Software Engineer

March 2023 - August 2023

- Utilized advanced SQL queries for data acquisition and exploration, resulting in a 25% reduction in data errors and improved decision-making processes.
- Conducted data aggregation and implemented Pandas for data cleaning and transformation, ensuring data integrity and consistency.
- Demonstrated proficiency in BigQuery, Google Cloud Storage, Tableau, and Data Studio for data quality analysis and stakeholder communication, maintaining reports for data integrity.
- Assisted a team of 30 employees as a technical support specialist, resolving issues with data transfer and SQL scripts.
- Acknowledged with the “[Beyond the Call of Duty](#)” award for addressing critical problems and demonstrating exceptional dedication.

FIGmd India Private Limited an MRO Company

Associate Software Engineer

January 2021 - March 2023

- Collaborated with ETL operations team to optimize data transfer from client database to FIGMD database using SQL scripts, resulting in a 40% reduction in data processing time and increased overall operational efficiency. Accessed databases using **MySQL**, **Oracle**, and **PostgreSQL**.
- Leveraged Python (Pandas, Matplotlib, Seaborn) for exploratory data analysis, integrated BigQuery and Tableau for quality analysis and visualization, and optimized ETL operations for efficient data management.
- Awarded the “[FIGmd Values Award](#)” for rapidly gaining knowledge and building trust in one's ability to tackle important tasks.

PROJECTS

Fashion Recommender System

December 2023 - December 2023

- Built a Fashion Recommender System using ResNet50 and KNN, suggesting 5 similar fashion items from user-uploaded images.
- Crafted a user-friendly, interactive web interface with Streamlit for exploring personalized fashion recommendations, managing a dataset of 44k images for an enhanced online shopping experience. [Link Fashion Recommender System](#)

App User Segmentation using Clustering Techniques

December 2023 - December 2023

- Led data-driven analysis of mobile app user behavior, applied metrics and K-means clustering for strategic insights and segmentation.
- Translated findings into actionable strategies, reducing app uninstallations through targeted communication and feature enhancements. [Link App User Segmentation](#)

Property Price Prediction

October 2023 - October 2023

- Developed a robust property price prediction model utilizing Linear Regression; addressed data quality issues and conducted comprehensive Exploratory Data Analysis (EDA) to derive actionable insights, resulting 8% increase in R-Squared value.
- Implemented machine learning models (Linear Regression, Ridge and Lasso Regression, Elastic Net), fine-tuned hyperparameters through cross-validation, and assessed performance using metrics like MAE, MSE, and R-squared. Selected Linear Regression for its optimal balance of interpretability, achieving an R-squared value of 92%. [Link Property Price Prediction](#)

Time Series Forecasting on Gold Prices

September 2023 - September 2023

- Employed Python and prominent libraries including NumPy, pandas, seaborn, and statsmodels to construct and apply time series forecasting models for gold price.
- Deployed techniques including Exponential Smoothing and Linear Regression to analyze and predict trends in a dataset spanning from 1950 to 2020, resulting in a notable MAPE score of 17.235%. [Link Time Series Forecasting](#)

CERTIFICATIONS

- **Python Programming** - Certified by HackerRank
- **SQL (Basic and Intermediate)** - Certified by HackerRank
- **Data Analytics and Machine Learning** - Imarticus Learning Private Limited

January 2024 – January 2024

January 2024 – January 2024

November 2020 – November 2021

KAGGLE COMPETITIONS

House Prices - Advanced Regression Techniques

October 2023 – October 2023

- Ranking :Top 1.85%

Natural Language Processing with Disaster Tweets

December 2023 – December 2023

- Ranking :Top 47.97%