SANKET PRAVEEN PATIL

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EDUCATION

DePaul University — ***September 2023 - March 2025***
Master's, Data Science — *GPA: 3.85/4*

Savitribai Phule Pune University — ***June 2015 - June 2019***
Bachelor's, Mechanical Engineering — *GPA: 7.85/10*

SKILLS

- Data Analysis and Machine Learning: Python, R, Scikit-learn, PyTorch, TensorFlow, Data Mining, Data Analysis, Machine Learning, Regression, Classification, Clustering, Applied Statistics/Probability, Data Visualization, Tableau, Power BI
- Database Management: Database Management: SQL, NoSQL, MySQL, PostgreSQL, Data Warehouses, Relational Databases
- Programming and Web Development: C/C++, HTML, Flask API
- 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, AWS, JIRA, Microsoft Excel, Advanced Excel, matlab, econometrics, networking, training, quantitative analysis

PROFESSIONAL EXPERIENCE

FIGmd India Private Limited an MRO Company — ***March 2023 - August 2023***
Software Engineer

- Proficiently collaborated on projects involving **BigQuery** and the **Google Cloud Platform**, demonstrating hands-on experience in cloud computing and data analytics.
- Analyzed and reconciled extracted data from multiple sources, ensuring data integrity and identifying anomalies, leading to a 25% reduction in data errors and improved decision-making process. Having hands on experience on SQL, linux commands.
- Served as a technical support specialist for a team of 30 employees, assisting them in resolving problems 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 — ***January 2021 - March 2023***
Associate Software Engineer

- 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**.
- 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 which employs a pre-trained ResNet50 model and KNN algorithm for suggesting 5 similar fashion items based on user-uploaded images.
- Streamlit provides an interactive web interface, allowing users to effortlessly explore personalized fashion recommendations.
- With efficient data management, the system accommodates a dataset of 44k images, enhancing the online shopping experience through advanced image analysis and user-friendly design. Link_Fashion_Recommender_System

App User Segmentation using Clustering Techniques — ***December 2023 - December 2023***

- Led data-driven analysis of mobile app user behavior, utilizing 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 property price prediction model using Linear Regression, addressing data issues and conducting in-depth EDA for meaningful insights.
- 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 accuracy and interpretability, achieving an accuracy 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.
- Utilized 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

- **Data Analytics and Machine Learning** - Imarticus Learning Private Limited — ***Nov 2020 – Nov 2021***