

DILIP RAJ. S

Data Analyst

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Website : dilipraj05.github.io/portfolio

Professional Summary

Detail-oriented and analytical Data Analyst with over 1 year of hands-on experience across the finance and IT sectors, including internship and full-time roles. Skilled in leveraging SQL, Python (Pandas, NumPy, Matplotlib, Seaborn), Power BI, Excel, and ETL tools (Informatica) to derive actionable insights from structured and unstructured data. Adept at building automated dashboards, performing exploratory data analysis, and optimizing business decisions through data storytelling. Successfully contributed to AI-based decision frameworks during an internship at Infracore Technologies (Kiya.ai), analyzing training and operational KPIs for IT organizations. Delivered data pipeline solutions and credit risk dashboards at Shriram Finance, serving Nordfin hfp, a Denmark-based investment bank. Proactively expanded technical skills through personal data science projects such as Customer Churn Prediction, Stock Price Forecasting, Fake News Detection, and Credit Score & Risk Analysis, using machine learning and Python libraries. Certified by Deloitte, Quantum, Tata Group, GUVI and Simplilearn in Data Analytics, Power BI, SQL, and Advanced Excel. Known for strong problem-solving ability, business acumen, and effective collaboration with cross-functional teams.

Core Competencies

SQL Queries | Financial Analytics | Predictive Modeling | Python Scripting | Dashboard Automation | KPI Reporting | Power BI

Technical Skills

Programming Languages: Python (Pandas, NumPy, Matplotlib, Seaborn, scikit-learn)

Databases: MySQL, PostgreSQL, Oracle SQL

Data Tools & Platforms: Power BI, Excel (VLOOKUP, PivotTables, Power Query, Macros), Jupyter Notebook, Google Colab

ETL & Data Warehousing: Informatica PowerCenter, Data Warehousing, KPI Reporting

Analytics & Machine Learning: Machine Learning (Logistic Regression, Linear Regression, Random Forest), Natural Language Processing (TF-IDF, Text Classification), Forecasting Models, Feature Engineering, Model Evaluation (ROC AUC, RMSE, Confusion Matrix), Statistical Analysis, Data Modeling, Data-Driven Storytelling

Data Analytics & Visualization: Exploratory Data Analysis (EDA), Data Cleaning & Transformation, Data Visualization, Dashboard Development, Report Automation, KPI Tracking, Business Intelligence, Data Wrangling

Soft Skills: Business Acumen, Team Collaboration, Communication, Problem solving, Analytical Thinking,

Work Experience

Data Analytics Intern

Infracore Technologies (Kiya.ai), Chennai

Project Name: A Synergetic Opportunity for Quality Decision Making by Using AI Tools and Organizational Growth in IT Organizations

Feb 2025 – May 2025

- Analyzed operational and training data to enhance AI-driven decision-making for IT clients.
- Built interactive Power BI dashboards to monitor KPIs and training efficiency.
- Used Python (Pandas, NumPy) and Excel for data wrangling and trend analysis.
- Built data models to analyze KPI impact of AI-driven tools, improving efficiency metrics by 30%.
- Applied NLP to extract insights from qualitative feedback.
- Designed a decision-making framework integrating AI insights with data-driven business logic, enhancing training efficiency and process improvement.
- Created interactive dashboards in Power BI for C-level stakeholders, improving planning accuracy by 35%.
- Collaborated cross-functionally with HR, tech, and project teams to align data insights with strategic goals.

Technologies Used: Python, Power BI, Excel, SQL, NLP, Data Cleaning, Visualization

Data Analyst (Junior Executive)

Shriram Finance Ltd (Client: Nordfin hfp, Denmark)

Aug 2022 – Apr 2023

- Automated monthly financial dashboards in Power BI, Optimized reporting workflow, cutting time by 60%.
- Extracted and transformed 20M+ financial records using SQL and Informatica, loading data into centralized reporting systems.
- Optimized monthly credit risk dashboards in Power BI, reducing report generation time by 60% and improving accuracy by 35%.
- Built Python-based scripts to detect anomalies, clean financial data, and prepare datasets for credit scoring models.
- Delivered insights to Danish stakeholders, influencing decisions in portfolio diversification and credit risk forecasting.
- Designed geo-mapped dashboards to monitor vendor performance and glow sign board installations across 30+ districts.
- Worked closely with finance and IT teams to streamline reporting pipelines and reduce redundancy

Technologies Used: Power BI, SQL, Python, Informatica, Excel, Financial Analytics, ETL

Projects

Credit Score & Risk Management | [GitHub Repo: github.com/dilipraj05/Credit-Score-Risk-Management](https://github.com/dilipraj05/Credit-Score-Risk-Management)

- Built a machine learning model to predict credit default risk using real-world financial data; achieved 80%+ ROC AUC score.
- Performed EDA and applied Logistic Regression and Random Forest classifiers with model evaluation metrics.
- Delivered end-to-end solution with visual insight matplotlib and documented use case on GitHub for business risk assessment

Apple Stock Price Prediction | [GitHub Repo: github.com/dilipraj05/Apple-Stock-Price-Prediction](https://github.com/dilipraj05/Apple-Stock-Price-Prediction)

- Built Linear Regression model using 5 years of stock data from Yahoo Finance.
- Visualized and forecasted closing prices with RMSE and R^2 metrics.
- Designed project to be scalable for other stocks or advanced models like LSTM, with full Python code and plots on GitHub

Customer Churn Prediction | [GitHub Repo: github.com/dilipraj05/Customer-Churn-Prediction](https://github.com/dilipraj05/Customer-Churn-Prediction)

- Built a classification model using Python and scikit-learn to predict customer churn from historical behavior data.
- Conducted EDA, handled class imbalance, and extracted key churn indicators to improve accuracy and business insights.
- Visualized model results using Seaborn, achieving high accuracy and supporting customer retention strategies

Fake News Detection | [GitHub Repo: github.com/dilipraj05/Fake-News-Detection](https://github.com/dilipraj05/Fake-News-Detection)

- Created an NLP-based classifier using TF-IDF and Logistic Regression, achieving over 95% accuracy on real-world datasets.
- Performed EDA with word clouds, confusion matrix, and ROC curves to interpret results and model confidence
- Cleaned and preprocessed text data, built a reliable classification pipeline, documented the full project with visuals on github

Education

MBA – HR and Financial Services

SKR College of Engineering, Anna University – Chennai

2023 – 2025

B.Com – Business & Commerce

Pachaiyappa's College, University of Madras – Chennai

2019 – 2022

Certifications

- Data Analytics Job Simulation – **Deloitte Australia** (May-2025)
- Data Analytics Job Simulation - **Quantium** (May-2025)
- Data Analytics Job Simulation – **Tata Group** (May-2025)
- Data Visualization : Empowering Business With Effective Insights – **Tata Group** (2025)
- Analyzing and Visualizing Data with Microsoft Power BI – **Simplilearn** (2024)
- PostgreSQL: SQL Developer – **Simplilearn** (Jan-2024)
- Python (OOPS, Pandas & NumPy, Matplotlib & Seaborn) – **GUVI Geek Networks, IITM Research Park** (Dec 2023)
- Excel – **GUVI Geek Networks, IITM Research Park** (Dec 2023)

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