DILIP RAJ. S

Data Analyst

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Portfolio: dilipraj05.github.io/portfolio

Professional Summary

Results-driven Data Analyst with hands-on experience across Supplier Diversity Management, Finance Analytics, and AI-driven Business Intelligence. Currently working at Viva USA IT, supporting large-scale supplier diversity programs for Fortune 500 and enterprise clients including AARP, Abbott, Avis Budget, Miller Knoll, JPMorgan, Disney, Dell, Siemens, Vanguard, Mastercard, US Foods, US Bank, and Yum Brands.

Expertise in supplier data scrubbing, certification validation, Tier-1 and regular scrubs, discrepancy analysis, and compliance reporting, ensuring accurate classification of diverse and non-diverse suppliers across US and Non-US regions. Strong analytical skills in identifying company name mismatches, address/state inconsistencies, expired certifications, and duplicate supplier records using SQL, Excel, and Power BI.

Previously delivered financial analytics and credit risk dashboards for Nordfin hfp (Denmark) at Shriram Finance Limited and contributed to AI-based KPI decision frameworks during an internship at Infrasoft Technologies (Kiya.ai). Known for data accuracy, process improvement, stakeholder communication, and translating complex datasets into actionable business insights.

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,
Cloud & Data Platforms: Azure (basic), AWS (data concepts)
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 Analyst
VIVA USA Inc (IT Domain)
Supplier Diversity Management
Jun 2025 – Current
- Managed and analyzed supplier diversity data for 100+ enterprise clients including healthcare, finance, manufacturing, retail, and energy sectors
- Performed regular and Tier-1 supplier scrubs to retrieve historical diversity classifications and validate current supplier status.
- Conducted data reconciliation and discrepancy analysis, identifying mismatches in company names, addresses, state codes, and certification details.
- Validated MBE, WBE, SME, Non-US, and other diversity certifications, ensuring compliance with client and regulatory requirements.
- Investigated expired certifications, duplicate records, and incorrect mappings caused by prior SQL or manual updates.
- Collaborated with internal teams to override scrub outputs, resolve eScrub issues, and ensure clean, audit-ready datasets.
- Supported stakeholders with accurate diversity reporting and supplier insights, improving data reliability for procurement and compliance teams
Technologies Used: Microsoft SQL, Power BI, Microsoft Excel, eScrub (Tier-1 & Regular Scrubs), Supplier Diversity Certification Portals, Data Cleaning, Data Validation, Compliance Reporting

Data Analytics Intern

Infrasoft Technologies (Kiya.ai), Chennai

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

Feb 2025 – May 2025
- Performed requirements-based analysis on operational and training datasets to support AI-driven business decisions.
- 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%.

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

Junior Executive /Analyst

Shriram Finance Ltd (Finance Domain)

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 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

Personal Projects

Credit Score & Risk Management | GitHub Repo: 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. 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

• Built Linear Regression model using 5 years of stock data from Yahoo Finance. Visualized and forecasted closing prices with RMSE and R^2 metrics. Identified key churn drivers using classification models

Fake News Detection| GitHub Repo: github.com/dilipraj05/Fake-News-Detection

• Built TF-IDF based classifier achieving **95%+ accuracy**

Education

MBA – Human Resource 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 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)

• Advance Microsoft Excel – **GUVI Geek Networks, IITM Research Park** (Dec 2023)   TO VIEW ALL CERTIFICATES