

Vignesh G

Data Scientist | Data Analyst

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Summary

Motivated and detail-oriented data professional actively seeking full-time roles in data science or data analytics. Experienced in data cleaning, exploratory data analysis (EDA), visualization, and model building using Python, SQL, Excel, and Power BI. Completed an internship and multiple real-world projects, showcasing the ability to extract insights, solve business problems, and communicate findings effectively. Strong foundation in statistics and machine learning, with a passion for turning data into actionable decisions.

Education

I.T. Vedant Institute

Master in Data Science & Analytics with Artificial intelligence

Dec 2024 – July 2025

Chennai, Tamil Nadu

Asan Memorial College of Arts & Science

Bachelor of Commerce

June 2019 – April 2022

Chennai, Tamil Nadu

Technical Skills

Languages: Python, SQL

Developer Tools: VS Code, Jupyter Notebook, Git, GitHub

Visualization: Tableau, Power BI, Excel Dashboards

Other Skills: Data Analysis, ETL Processes, Data Cleaning, Model Deployment

Experience

Cognifyz Technologies

June 2025 – July 2025

Data Science Intern

Key Projects & Responsibilities:

- Performed **Exploratory Data Analysis (EDA) and Data Cleaning** on restaurant datasets, handling missing values, encoding categorical features, and feature engineering for predictive modeling.
- Built **regression models** (Linear Regression, Decision Tree, Random Forest) to predict restaurant ratings, achieving **R² score of 0.958** with Random Forest.
- Conducted **Customer Preference Analysis** by identifying top cuisines and cities based on **ratings and votes**, uncovering patterns to improve customer satisfaction strategies.
- Designed **data visualizations** using Python (Seaborn, Matplotlib) to present insights on rating distribution, cuisine popularity, and feature relationships.
- Delivered complete **project documentation and reports**, showcasing analytical insights for business decision-making.

Tools & Technologies:

- Python, Pandas, NumPy, Seaborn, Matplotlib, Scikit-learn, Jupyter Notebook

Skillfied Mentor

June 2025 – July 2025

Data Science Intern

Key Projects & Responsibilities:

- Developed a **Linear Regression model** using Python and Scikit-learn to **predict temperature from humidity** leveraging a dataset of 700K+ IoT sensor readings.
- Conducted **data cleaning and preprocessing**, handled missing values, and defined feature-target relationships for predictive modelling.
- Performed **exploratory data analysis (EDA)** and created **scatter plots and summary statistics** using Pandas, Matplotlib, and Seaborn.

for insights visualization.

- Evaluated model performance with **MSE, RMSE, MAE, R², and Adjusted R²** metrics on both training and testing datasets for accuracy and reliability.

Tools & Technologies:

- Python, Pandas, NumPy, Seaborn, Matplotlib, Scikit-learn, Jupyter Notebook

ISource, IT Enable Service

May 2023 – April 2025

AR Caller & Analyst

Chennai, Tamil Nadu

- Managed Accounts Receivable (AR) follow-up for medical billing, ensuring timely resolution of claims and payment posting.
- Communicated directly with clients and insurance companies to resolve billing issues, reducing claim denials and improving collection efficiency.
- Handled emails and correspondence professionally to maintain strong client relationships.
- Developed and maintained interactive dashboards in Excel to track AR performance, aging reports, and collection trends.
- Created detailed reports using advanced Excel formulas (VLOOKUP, Pivot Tables, IF statements, etc.) for data analysis and decision-making.
- Improved communication skills through daily interaction with clients and insurance representatives, ensuring clarity and accuracy in claim resolution.

Projects

Movie Revenue Prediction | Python, Scikit-learn, Pandas, Matplotlib

- Built regression models to predict box office revenue using historical movie data.
- Applied feature engineering on budget, genre, cast, and release date to improve accuracy.
- Performed model training, evaluation, and visualization using Scikit-learn and Matplotlib.

Password Generator | Python, Tkinter

- Developed a GUI-based password generator tested by 20+ users for secure password creation.
- Implemented features for password length customization, strength validation, and character set selection.

COVID-19 Data Analysis | Python, Pandas, Matplotlib, Seaborn

- Cleaned and analyzed COVID-19 datasets to identify global infection and recovery trends.
- Created interactive bar and line charts to visualize regional and temporal infection patterns.

Olympic Data Analysis | SQL

- Performed analysis on Olympic datasets to extract medal tallies, athlete performance, and rankings.
- Designed complex SQL queries, views, and aggregate functions to enable cross-country comparisons.

Business Sales Dashboard | Excel

- Built an interactive Excel dashboard to track and analyze sales performance across 3 regions.
- Incorporated KPIs such as revenue, profit margins, and trend analysis with dynamic visualizations.

Certification

- Master in Data Science & Analytics with Artificial Intelligence
- Machine Learning
- Python for Data Science
- Analysis With Python
- Diving Into World of Data
- Power BI
- Tableau
- SQL for Data Science
- Advanced Excel

STRENGTHS

- Analytical mindset with attention to detail
- Quick learner, adaptable in fast-paced environment