

Vignesh Nadar

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Education

SIES College of Arts Science and Commerce

Nerul, Navi Mumbai

M.Sc. in Information Technology

2022 - 2024

- Courses:** Data Science, Artificial Intelligence, Machine Learning, Statistical Learning, Database Management

B.Sc. in Information Technology

2019 - 2022

- Courses:** Python Programming, DataBase Management System, Operating System

Work Experience

Consultant - Data Analyst

Nov 2024 - Mar 2025

eClerx

- Performed advanced data manipulation and cleaning using Excel tools like VLOOKUP, Pivot Tables, and conditional formatting to ensure accuracy, consistency, and streamlined reporting.
- Validated and reconciled large datasets, ensuring alignment with business requirements and reducing discrepancies by 95%.
- Collaborated with cross-functional teams to provide actionable insights through detailed data analysis and customized reports.

Skills

Programming Python, MySQL, HTML/CSS and JS.

Technical Advanced MS Excel, MySQL Workbench, SSIS, Tableau, Power BI, Git and Github, Apache Airflow.

Other Skills Data Cleaning, Data Transformation, Data Wrangling, Data Integration, Data Processing, Data Modeling, ETL (Extract, Transform, Load), Data Pipeline development and Data Visualization

Selected Projects

Netflix User Analytics and Churn Visualization

MySQL, Power BI, Power Query

- Optimized a 25,000-record Netflix dataset through normalization, indexing, and stored procedures, boosting query performance by 66.67%.
- Built Power BI visualizations for churn, subscription trends, and user engagement, enabling data-driven insights.
- Developed and executed complex MySQL queries, progressing from basic retrieval to advanced analytical operations, ensuring efficient data extraction and insight generation.

AI Readiness Index: Global Analysis of AI Investment, Innovation, and Infrastructure

Pandas, NumPy, Matplotlib, Seaborn

- Analyzed AI readiness across 62 countries by examining government strategy, commercial activity, research, and infrastructure, identifying key drivers of AI competitiveness.
- Created 6+ visualizations, revealing key AI trends in research, investment, and infrastructure.
- Identified AI investment opportunities by classifying countries as emerging or developed AI leaders.

Nvidia Stock Price Analysis

Python, Pandas, Matplotlib

- Conducted in-depth stock analysis of NVIDIA using data processing and exploratory data analysis to uncover hidden insights.
- Performed descriptive analytics and created visualizations, like bar graphs, line charts, Bollinger Bands, and trend decomposition charts.
- Utilized advanced data techniques to provide actionable insights, enhancing decision-making through clear, data-driven visual representation.

Data Analytics of Walmart Sales with Python

Python, MS Excel, Kaggle

- Analyzed Walmart sales data using Python libraries (pandas, numpy, matplotlib, seaborn) to uncover trends in customer behavior, revenue, and product performance.
- Developed visualizations, including heatmaps, bar charts, and line plots, to highlight sales trends by product line, city, and time
- Generated actionable insights by examining customer purchasing patterns, payment methods, and branch performance to support data-driven decision-making.

Certifications

2024 Accenture Data Analytics and Visualization Virtual Internship

Forage

2024 AWS Academy Machine Learning Certification

AWS

2024 Agile Project Management

HP Life