

NIVEDH J

Data Analyst · Data Scientist · Palakkad, Kerala · Open to Work

+91 9895806877 | nivedh444@gmail.com | nivedh-j.github.io | linkedin.com/in/nivedhj | github.com/nivedh-j

SUMMARY

Data Analyst with hands-on, project-led experience in Python, SQL, Power BI, and Machine Learning. Delivered 6 end-to-end projects with measurable outcomes: an executive Power BI dashboard that surfaced a 34% revenue anomaly, an election results dashboard rated 9.2/10 across 140 constituencies, and a rainfall analysis covering 970,000+ weather records. Proficient in data cleaning, EDA, DAX, SMOTE-based class balancing, and dashboard development. NSDC certified in Data Science and Artificial Intelligence (June 2026). Seeking a Data Analyst role where analytical rigour drives real business impact.

TECHNICAL SKILLS

Languages: Python (Pandas, NumPy, Scikit-learn), SQL

Analysis: Data Cleaning, Data Wrangling, EDA, Feature Engineering, Statistical Imputation

ML / Modelling: Classification, Regression, Cross-Validation, Hyperparameter Tuning, SMOTE, GridSearchCV, Random Forest, KNN, Logistic Regression, Naive Bayes

Visualisation: Power BI, DAX, Matplotlib, Seaborn, Plotly

Tools: Jupyter Notebook, Streamlit, VS Code, GitHub, HTML, CSS

PROJECTS

Sales Analytics Power BI Dashboard | *Power BI · DAX · Excel*

- Designed an interactive executive dashboard to track KPI metrics, revenue trends, and period-on-period sales performance.
- Authored custom DAX measures and calculated columns to surface a 34% revenue anomaly invisible in raw data.
- Enabled drill-through from summary KPIs to transaction-level detail, reducing repetitive ad hoc reporting.

Kerala Election Results Dashboard | *Power BI · DAX · Data Modelling*

- Modelled 140 constituencies, 14 districts, and 42 parties into a relational schema for alliance-level and seat-share analytics.
- Built treemap, bar race, and drilldown pages using advanced DAX measures; dashboard received a 9.2/10 quality score.

India Weather Analysis & Rainfall Prediction | *Python · Power BI · Pandas · Seaborn · Scikit-learn*

- Processed 970,000+ weather observations across multiple Indian states; handled 200,000+ missing values via statistical imputation.
- Identified severe overfitting (R^2 0.986 train vs. -0.219 test) and documented root cause, demonstrating analytical rigour.
- Built interactive Power BI dashboards to visualise seasonal rainfall patterns, regional climate trends, and anomaly distributions.

Instagram Personal Analytics Dashboard | *Power BI · DAX · Data Storytelling*

- Built a multi-page Power BI dashboard from personal Instagram export data, covering engagement, story, and ad-interaction metrics.
- Modelled activity, ads-clicked, and interest datasets into a relational schema; authored DAX measures for click-through rate and engagement totals.
- Uncovered a behavioural insight contrasting algorithmic ad targeting (career/tech-skill ads) against organic engagement (entertainment content), demonstrating audience-vs-actual-interest analysis.

Cancer Risk Classification Model | *Python · Scikit-learn · Streamlit · SMOTE · Random Forest*

- Engineered an 8-feature ML classifier to predict cancer risk probability from clinical data; deployed as a live Streamlit application.
- Implemented SMOTE to resolve class imbalance; selected Random Forest over KNN, LR, and Naive Bayes after full multi-model comparison.
- Achieved 95% accuracy, 0.936 AUC-ROC, and 0.928 F1-score validated via cross-validation — best metrics across all tested models.

Live App: cancer-risk-prediction-nivedhj.streamlit.app

Drug Categorisation Pipeline | *Python · Scikit-learn · SMOTE · EDA*

- Developed a multi-class ML pipeline to categorise pharmaceutical drugs from patient metrics with high classification accuracy.
- Applied SMOTE for minority class synthesis and extensive EDA; validated results via confusion matrix across all drug classes.

EDUCATION & CERTIFICATIONS

NSDC Data Science and Artificial Intelligence | June 2026

National Skill Development Corporation (NSDC)

Bachelor of Computer Applications (BCA) | March 2025

Mahatma Gandhi University, Kerala

Vocational Higher Secondary School (VHSC) — FTCP Certificate | March 2022