Prabhat Dhar

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PROFESSIONAL SUMMARY: Data Analyst with practical hands-on experience in SQL, Python, Power BI and Tableau, and a strong background in data cleaning, exploration and visualization. Skilled at turning operational data into clear, actionable insights for non-technical stakeholders. Experienced in automating data processes and building dashboards to support decision-making. Eager to transition toward DevOps-related tasks using scripting, cloud platforms and CI/CD automation to improve operational efficiency. Eligible to work in the UK (Skilled Worker Visa) — available up to 20 hrs/week.

CORE STRENGTHS

- Data cleaning & preparation • SQL query writing • Python (pandas, NumPy)
- Data visualization & dashboards (Power BI, Tableau, Excel)
- Exploratory Data Analysis (EDA) • Reporting & stakeholder communication
- Basic ML modelling & forecasting • Automation scripts & CI/CD concepts
- Attention to detail • GDPR & data confidentiality • Team collaboration

WORK EXPERIENCE

EVERYCARE LTD — Care Assistant & Data Analyst (April 2023 – Present)

- Delivered person-centred care and recorded clinical observations, medication updates and activity logs in digital care systems while ensuring GDPR and safeguarding compliance.
- Maintained and cleaned care records in Excel; created pivot reports and simple dashboards to track incident logs, attendance and staff allocation for shift leaders.
- Analysed care-related trends using Power BI to highlight attendance patterns, risk indicators and medication timings; communicated weekly summaries to senior staff.
- Wrote basic Python scripts to organise and preprocess care logs, reducing manual workload and improving data accuracy for reporting.
- Prepared visual weekly summaries (response times, service-user progress, staffing) to assist operational decision-making.

KFC (Demipower Ltd, Wood Green) — Team Member (January 2021 – March 2023):
Delivered fast, friendly service in a high-pressure environment; upheld hygiene, safety and quality standards. Handled transactions, managed orders during peak periods and supported shift leaders by updating checklists and inventory logs. Developed reliability, punctuality, teamwork and the ability to communicate under pressure — transferable skills for stakeholder collaboration in analytics.

SELECTED PROJECTS (full code & notebooks on GitHub)

SIMPLE A&E ANALYSIS (SQL, Python, Power BI, Tableau):
Generated synthetic A&E attendance data; performed SQL and Python analyses, built dashboards and produced a 2-month forecast using ML models. Delivered interactive dashboards and model comparison to support exploratory scenario analysis.

NHS DATA ANALYSIS (Python): Created mock datasets and loaded CSVs for multiple analyses; automated ETL/cleaning scripts, performed patient data cleaning and survey analysis using Python.

SALES ANALYSIS & FORECASTING (ML): Performed feature engineering, time-series forecasting and model evaluation (RMSE, MAE) comparing multiple forecasting algorithms.

BANKING CHURN PREDICTION: Built a synthetic banking dataset, performed EDA, designed preprocessing pipelines and compared models (Logistic Regression, Random Forest, Gradient Boosting); evaluated with ROC, confusion matrices and feature importance.

CREDIT CARD FRAUD ANALYSIS: Created imbalanced synthetic dataset; addressed imbalance (class weights/SMOTE), trained multiple models and evaluated with ROC-AUC and F1 metrics.

RAINFALL PREDICTION (Dissertation — PyCaret + web app): Cleaned datasets, compared ML models including AutoML via PyCaret, and deployed a simple web app to predict "rain tomorrow" using selected models.

TECHNICAL SKILLS & TOOLS

- Data Analysis & Reporting — Ability to analyse datasets, identify trends, and generate meaningful insights.
- Excel (Advanced) — Pivot tables, data cleaning, dashboards.
- SQL — Writing queries, filtering data, joins, aggregations.
- Python (Basic–Intermediate) — Pandas, NumPy, data cleaning and exploration.
- Data Visualisation — Creating dashboards and reports using Power BI / Tableau.
- Data Cleaning & Preparation — Handling missing data, duplicates, formatting issues.
- Business Intelligence (BI) — Turning data into actionable insights for decision-making.
- Reporting Tools — Power BI, Excel dashboards.
- Statistical Knowledge — Basic statistics: mean, median, variance, correlations.
- Problem-Solving — Turning business problems into data-driven solutions.
- Communication — Presenting findings clearly to non-technical stakeholders.
- Attention to Detail • Critical Thinking • Team Collaboration

EDUCATION- Postgraduate Diploma in Data Science and its Application
University of Essex — November 2022 (165 credits)
Essex (Colchester), United Kingdom

Bachelor of Science (Hons) — Physics
University of Calcutta — August 2021 (7.240 C.G.P.A)
Kolkata, West Bengal, India

I.S.C. (12th) — St. Xavier's Institution — April 2017 — 85%
I.C.S.E. (10th) — St. Xavier's Institution — April 2015 — 93.8%

CERTIFICATIONS: English SELT ISE 1 — 1) Trinity College (Distinction in Writing, Speaking & Listening; Merit in Reading) 2) DBS Certification — All checks passed

LANGUAGES -- English • Hindi • Bengali