

PARIDHI SINGH

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EXPERIENCE

Encardio Rite Electronic Private Limited (**Internship**)

(Jan 2025 - June 2025)

Data Analyst Intern

- Conducted **EDA on 15,000+ weekly time-series sensor** records to identify structural anomalies using Python-based models.
- Automated FTP data ingestion pipeline with Python (Pandas, NumPy), streamlining **ETL (Extract Transform Load)** and reducing manual work by 40%.
- Built and published **20+ dashboards/reports** in Excel and visualization tools, boosting data visibility by 60%.
- Wrote optimized **SQL queries** for faster data aggregation, enhancing monitoring speed by 30% on the PROQIO platform.
- Delivered weekly insights to engineers, enabling **data-driven decisions** across 7+ infrastructure projects.

PROJECTS

Election Result Prediction:

([GitHub](#))

Tweet Sentiment Analysis using Machine Learning

- Analyzed **20,000+ tweets** related to the Delhi elections using **Natural Language Processing (NLP)** and **sentiment analysis** techniques (TextBlob, NLTK).
- Trained a supervised machine learning model to classify sentiment and predict voting trends with **85% accuracy**.
- Preprocessed text data using tokenization, stopwords removal, and vectorization to enhance model performance and reliability.

Amazon Product Analysis

([LinkedIn](#))

Dashboard using Power BI

- Analyzed **multi-dimensional sales data** across products, states, cities, and monthly trends to identify regional performance insights.
- Built an **interactive Power BI dashboard** using features like **slicers, search filters, navigation buttons, and custom headers** for enhanced user experience.
- Designed the dashboard to allow drill-down exploration of sales KPIs and trends, simulating a real-time business scenario.

Business Health Dashboard

([GitHub](#))

Dashboard using Streamlit & Machine Learning

- Developed an interactive **data analytics dashboard** using **Streamlit**, enabling real-time visualization of **business KPIs** (e.g., revenue, profit, cost) from raw uploaded datasets.
- Implemented **automated data cleaning, anomaly detection**, and recommendation systems using **Pandas, scikit-learn**, and custom ML pipelines, reducing manual analysis effort.
- Integrated regression models, **NLP-based user queries**, and PDF report generation, enhancing business intelligence accessibility for non-technical stakeholders.

EDUCATION

Bachelor of Computer Applications – Christ (Deemed to be University)
| Delhi NCR Campus |

(August 2022 – July 2025)
CGPA: **8.63** (out of 10.00)

Senior Secondary (XII) – S.K.D Academy
| Physics , Chemistry , Maths, Computers |

(2022)

ISC (75%)

Secondary (X) – S.K.D Academy
| Science |

(2020)

ICSE (87.5%)

SKILLS

- **Languages:** Python, Java , SQL
- **Frameworks & Libraries:** Pandas, NumPy, Matplotlib, Seaborn , Scikit – learn, streamlit
- **Database:** MySQL, PostgreSQL, MongoDB
- **Tools & Platforms:** Git, Docker, Jupyter Notebook, Google Colab, VS Code, MS Excel

ACHIEVEMENTS

Certification :

- Deloitte Data Analytics Job Simulation
- Accenture – Forage Data Analytics and Visualization
- Mckinsey Forward Program

Publications:

1. “Data Visualization and Infographic Trends”

Chapter 25 in New Approaches in Visual Communication Design, IGI Global : [Chapter](#) , Published 2025

- Explored the evolution of visual storytelling and infographic design trends in digital communication.
- Discussed practical applications in business dashboards, UI/UX, and real-time data presentation.

2. “AI-Driven Early Disease Detection” (Upcoming)

To be published in Cognitive IoT in Biomedical Devices: The Next Evolution in Smart Healthcare, 2025

- Focuses on integrating AI with IoT-enabled biomedical devices for real-time diagnosis and predictive healthcare analytics.
- Chapter highlights models for early detection using medical sensor data, cloud integration, and deep learning pipelines.