

# Devika Chatterjee

Kolkata, West Bengal

devkachatterjee2901@gmail.com | LinkedIn | GitHub | Hackerrank | Forage | +919971434162

## SUMMARY

---

**Data Analyst** with expertise in leveraging Pandas, SQL, and Statistical Modeling to extract actionable insights from large datasets, accelerating data-driven decision-making. Skilled in data manipulation, visualization, predictive modeling, and stakeholder management to align insights with business goals. Proficient in Python for automation and workflow optimization.

## SKILLS

---

- **Data Visualization Tools:** Power BI (DAX), Tableau, Advanced Excel (Lookups, Pivot charts), KPI Reporting
- **Technical:** Pandas, Matplotlib, Apache Spark, Automation, ETL
- **Database Technologies:** Oracle, MySQL, Advanced SQL, Data Modeling, Data Warehousing (Teradata, Amazon Redshift)
- **Project Management:** Jira, Git, Trello, Agile Methodologies (Scrum), Cross-functional Collaboration

## EXPERIENCE

---

### ClassroomStudy (Remote Freelance Business Analyst)

November 2023 – October 2024

- Developed dynamic Power-BI dashboards for an EdTech firm, tracking key performance indicators like course completion rates, student engagement, and daily active users that led to a 20% increase in data-driven decision-making.
- Streamlined reporting processes by automating data extraction and visualization, reducing manual report generation time by 40%, and ensuring timely, accurate insights for cross-functional teams

### Bharti Airtel (Data Analyst)

April 2023 – July 2023

- **Achieved a 4% reduction in women's turnover** and a **12% increase in overall employee engagement within 4 months** by developing predictive models using machine learning algorithms to predict individual-level attrition probabilities, and integrating the results into **Power-BI** dashboards for actionable insights.
- **Enhanced data quality and integration by 60% through Python-based automation**, cleaning, and transforming over **20,000 records** from sources into a unified dataset, improving reporting accuracy and streamlining BAU processes.
- **Reduced monthly manual reporting efforts by 50% by automating HR KPIs**, including Turnover Rate, Diversity, Headcount, and Engagement Score, across functions using **Tableau** (leveraging LOD expressions and calculated fields) and ETL processes.

### Capgemini (Data Analyst) - Pune

June 2021 – May 2022

- **Automated Data Ingestion, Processing, and Testing:** Built an ETL pipeline using Python and SQL that routinely processed over 20 million monthly records. Integrated automated testing to validate data accuracy and process reliability, replacing error-prone manual methods and boosting overall data processing efficiency by 30%.
- **Enhanced Reporting, Decision-Making, and Test Automation:** Designed interactive dashboards with modern visualization tools like Power BI to transform raw data into real-time insights. Implemented automated testing procedures to ensure dashboard performance and data consistency, reducing manual reporting time by 40% and accelerating informed decision-making.

### Tech Mahindra (Data and Business Analyst) - Pune

June 2018 – May 2021

- Collaborated with cross-functional teams to gather and analyze technical and business requirements for a major software project, ensuring alignment with strategic goals.
- Conducted detailed process and data analysis to develop robust functional and technical specifications, contributing to a 20% improvement in operational efficiency.

## PROJECT

---

### HR Analytics Dashboard | Tableau | Live Dashboard | View Project

- Designed an HR dashboard to monitor key KPIs, including attrition rate (14.5%), headcount (1,233), and satisfaction scores, revealing that employees under 30 and specific job roles contributed to 60% of total attrition.

### Pizza Sale: Insights and Trends | Excel, Tableau | Live Dashboard | View Project

- Performed EDA on pizza sales data using Excel for data cleaning and Tableau for visualization, analyzing KPIs such as Average Order Value, Quantity per Order, Top/Bottom-Selling Pizzas, Preferred Pizza Type/Size, and Peak Sales Times to optimize staffing, promotions, and delivery strategies.

### Used Car Prize Prediction | Pandas, Matplotlib, Scikit-learn | View Project

- Conducted EDA to uncover relationships between Mileage, Engine Volume, Car Year, and Price, and developed machine learning models to predict car prices using key features, evaluating model performance with R-squared and RMSE for price estimation.

## EDUCATION

---

**Data Science and Analytics Nanodegree Program**  
Jobaaj Learning

**May 2024 – Till Date**  
Online Certification

**PGP in Data Science**  
Praxis Business School

**June 2018 – May 2021**  
Kolkata, West Bengal

**BTech in Computer Science and Engineering**  
Sur Tech Institute of Technology and Management

**June 2018 – May 2021**  
Kolkata, West Bengal

## CERTIFICATION

---

### Accenture North America: View Certificate

- Performed data cleaning and analysis on datasets to identify content trends, utilizing Excel and SQL, and created PowerPoint presentations and video summaries with data visualization tools like Tableau to communicate insights and support decision-making.

### PwC Switzerland: View Certificate

- Demonstrated expertise in Power BI by creating visualizations for Diversity, Call Center Performance, and Customer Retention dashboards, while streamlining data transformation using Power BI Query and DAX to handle null values, correct date-time formatting, and ensure data quality for actionable insights.

### Goldsmam Sachs: View Certificate

- Leveraged Excel to manipulate large datasets for financial forecasts and P&L statements using VLOOKUP, PivotTables, and Data Validation enabling data analysis and informed decision-making in a mock deal scenario.

### Tata Consultancy Service: View Certificate

- Aligned strategic questions with organizational goals for senior executive meetings and delivered interactive Power BI dashboards showcasing key KPIs and insights, leveraging DAX, Power Query, and Custom Visuals for executive decision-making.

## ACHIEVEMENT

---

- Problem Solving Certificate (Intermediate): **Hackerrank**
- SQL Gold Badge: **Hackerrank**
- Python Gold Badge: **Hackerrank**
- Data Science and Analytics Nanodegree Program Certificate from Jobaaj: **Certificate**