

Aditya Bharti

Aspiring Data Analyst | Python Developer | Data Visualization

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Summary

Enthusiastic and detail-oriented Computer Science Engineering student (B.E., 2025) with hands-on experience in data analysis, visualization, and web application development. Skilled in Python, SQL, Power BI, Excel, and machine learning for transforming raw data into actionable business insights. Proven ability to deliver results through internships, academic projects, and leadership roles in large-scale hackathons. Adept at data cleaning, ETL processes, dashboard creation, and KPI tracking. Passionate about leveraging data to solve business problems and improve decision-making.

Technical Skills

- **Programming & Analysis:** Python (Pandas, NumPy, Matplotlib, Seaborn, scikit-learn), SQL
- **Data Visualization & BI:** Power BI, Tableau (familiar), Matplotlib, Seaborn
- **Data Tools & Processes:** Data Cleaning, ETL, Feature Engineering, Statistical Analysis, Reporting, KPI Tracking
- **Databases:** MySQL, MongoDB (Basic)
- **Web Development:** Flask, Django (Basic)
- **Tools & Platforms:** Excel (PivotTables, VLOOKUP), Jupyter Notebook, Anvil.Works, Postman
- **Version Control:** Git, GitHub

Professional Experience

Data Analyst Intern – Cluster Computing

Jan 2025 – Present

- Analyzed and visualized large datasets to uncover trends, correlations, and anomalies.
- Collaborated with the team to design data-driven solutions to business challenges.
- Improved efficiency of SQL queries and Python scripts for handling large datasets.
- Enhanced analytical skills in SQL, Python, and statistical analysis.

Project Intern – Physics Wallah (PW)

Nov 2024 – Apr 2025

- Developed Flask/Django web applications with search, personalization, and social media integration.
- Ensured scalability, performance, and optimized deployment for production environments.
- Followed PEP8 standards and maintained code in a public repository.

Projects & Case Studies

1. Transaction Fraud Detection Dashboard

Python (Pandas, scikit-learn), Power BI, SQL

- Built an anomaly detection system using **Isolation Forest, Local Outlier Factor, and rule-based methods on 100K+ transactions**.
- Created features like **Z-scores, geo/device mismatch** for fraud identification.
- Developed a Power BI dashboard with automated refresh, heatmaps, and interactive filters.
- Impact: Automated fraud scoring, reducing manual review time by **40%** and identifying that **78% of frauds occurred at night**, enabling targeted monitoring.

2. Retail Sales Analysis & Visualization Dashboard

Python (Pandas, NumPy, Seaborn), Power BI, Excel

- Analyzed 50K+ retail records to uncover sales trends and customer behaviors.
- Engineered features like Profit Margin and Discount Flags, conducted EDA, and built a Power BI dashboard with KPIs, geo maps, and filters.
- Impact: Identified top-performing products and regions, improved discount strategy using real-time insights.

3. Case Study: Customer Churn Prediction

Python (Pandas, NumPy, Matplotlib, scikit-learn)

- Analyzed 10K+ customer records to identify factors influencing churn.
- Performed data cleaning, feature engineering, and exploratory data analysis to detect trends in customer behavior.
- Trained a Logistic Regression model achieving 82% accuracy and visualized churn risk distribution.
- Impact: Provided actionable insights to improve customer retention strategies.

Education

B.E. – Computer Science Engineering 2021 – 2025 | CGPA: 8.75 | Percentage: 83.12%
P.R. Pote Patil College of Engineering & Management, Amravati (SGBAU)

HSC – Science 2020 – 2021 | Percentage: 82%
Matoshree Junior College

SSC 2018 – 2019 | Percentage: 74%
Gurudev Goroba Vidya Mandir

Certifications

- Data Science Pro Certification – Physics Wallah
- 5-Star Rating in Python & SQL – HackerRank

Leadership & Extracurricular Activities

1. Vice-President, Coding Club PRPCEM (Jul 2023 – Aug 2024)

- Led initiatives to improve coding skills among members; organized inter-college hackathons for 100+ students.

2. Core Member, Google Developer Student Clubs (GDSC) PRPCEM(Aug 2023 – Aug 2024)

- Contributed to web development projects and organized tech talks & hackathons.

3. Student Lead Coordinator, Smart India Hackathon (SIH) 2023(Dec 2023)

- Managed a team of 50 members, coordinated efforts for over 100 participants

Self-Declaration

I hereby declare that the information provided above is true and accurate to the best of my knowledge and belief. I am responsible for the authenticity of all the details mentioned.