

Pritidarshini

Data Analyst

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in pritidarshini-biswal-24414028a/

🔗 My Portfolio

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FYI

Pritidarshini is a B.Tech (CSE) student at Gurugram University, specializing in data analysis, machine learning, and visualization. Proficient in Python, SQL, Power BI, and Excel, she has worked on projects like Titanic Survival Prediction, Zomato Data Analysis, and HR Analytics Dashboard. She has also participated in hackathons and research conferences, demonstrating her analytical and problem-solving skills.

Profile Summary

Data Scientist skilled in Python, SQL, Power BI, and Machine Learning, with hands-on experience in data analysis, visualization, and predictive modeling. Passionate about transforming raw data into actionable insights to drive business decisions. Combines technical expertise in AI/ML with a strong commitment to ethical, explainable, and impact-driven data solutions. Proven problem-solving ability through hackathons, research projects, and real-world applications.

Experience

Utility Billing Optimization and Defaulter Prediction as: Data Analytics Intern

BSES Rajdhani Power Limited – Delhi, India 2nd June 2025 – 31st July 2025

- Developed statistical dashboards and predictive models using Python and SQL on 10K+ utility records; performed data wrangling and visualization to identify defaulter patterns for billing optimization.
- Developed interactive dashboards with drilldowns by Division/Sub-Division using Power BI to support infrastructure planning and billing decisions, improving cross-departmental insights and communication with stakeholders.
- Conducted EDA and data cleaning in Python and Excel..
- Tools used: Power BI, SQL, Excel, Python (Pandas, Seaborn).

Projects

1. Website Traffic & Engagement Analysis

- Analyzed hourly user engagement and traffic source effectiveness.
- **Skills:** Python (Pandas, Seaborn), Time Series, EDA
- **Achievements:** Identified peak hours and top-performing channels; recommended UX improvements and content optimization strategies.

2. 2024 Election Analysis(Power BI)

- Analysis of key trends, voter behavior, and potential outcomes in the upcoming 2024 elections using data visualization.
- **Skills:**Data Analysis, Power BI (Data Cleaning, DAX)
- **Achievements:**
 1. Analyzed voter trends and predicted outcomes.
 2. Created interactive election dashboards.

3. Nivasa – AI-Powered Roommate Matching

- Developed a machine learning model to predict roommate compatibility using psychological traits and user profiles.
- **Skills:** Python (Scikit-learn, Pandas), NLP, Machine Learning, Data Preprocessing
- **Achievements:** Built and trained a predictive model using custom dataset (ModelData.csv); integrated with a voice-enabled assistant for data collection; designed a modern, engaging UI for roommate matching.

4. Power Cut Analysis (Power BI, Internship Project)

- Analyzed historical outage and energy usage data across divisions.
- **Skills:** Power BI, DAX, Excel
- **Achievements:** Built a dashboard analyzing 9600+ rows of data to uncover seasonal power cuts, regional discrepancies, and meter type impact on reliability.

5. Breast Cancer Prediction (ML Project)

- Implemented a supervised machine learning model to classify tumors as benign or malignant.
- **Skills:** Python (Scikit-learn, Pandas, Matplotlib), Logistic Regression, Random Forest, Data Visualization
- **Achievements:** Achieved high accuracy in classification; built visual reports for tumor feature importance and prediction reliability.

SKILL

Data Analysis Tools: Excel (Advanced formulas, Pivot Tables) | SQL (Joins, Subqueries, Aggregate Functions) | Power BI (Dashboard Creation, Data Visualization)

Programming and Development: Python | R | C++ | C | MySQL

Data Visualization: Interactive Dashboards (Power BI, Tableau, Matplotlib, Seaborn) | Data Storytelling & Presentation Skills

Frameworks and Libraries: Pandas | NumPy | Matplotlib | Seaborn | Scikit-learn

Core Data Science Skills: Data Wrangling | Machine Learning | Statistics | Exploratory Data Analysis (EDA)

Communication: Clear explanation of insights to technical and non-technical stakeholders | Cross-functional collaboration

Certificates

- **International Conference on Research and Innovation for Sustainable Development (ICRISD 2024)**
Achievement: Presented research on "Application of Neuroscience using AI & ML" and chaired a session.
- **SheBuilds Hackathon 2025 (Top 10 Team)**
Achievement: Developed Nivasa – AI-driven roommate compatibility platform; built ML compatibility model for accurate roommate matching.
- **HackerRamp WeForShe 2024 – Myntra**
Role: Participant
- **Neo X Grind Hackathon - Rise In Edition** September 28-29, 2024
Role: Hacker
- **C Programming Certification by IIT Bombay - Spoken Tutorial**
Score: 92%
- **24-Hour Hackathon – MNIT Jaipur**
Achievement: Built a depression detection game using HTML, CSS, JS & ML; provided personalized recommendations for songs, movies, and exercises.

Education

B.Tech. (Computer Science and Engineering) Gurugram University CGPA : 7.5	2027 Gurugram , Haryana , India
Senior Secondary (PCMB) Kendrapara Residential College Of Science & Technology Percentage : 80%	2023 Odisha , India