

# Prashasti Priya

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## Education

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- **VIT Bhopal University**

*B.Tech. in Computer Science and Engineering — CGPA: 9.14*

May 2026

## Skills

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- Programming Languages & Tools: C++, Python, SQL, Excel, Git, GitHub.
- Frameworks, Libraries & Web Technologies: Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn, Tableau.
- Databases & Data Handling: MySQL, PostgreSQL, PL/SQL, Data Cleaning, Data Visualization, Data Analysis.

## Projects

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- **Global Terrorism Analysis** 🔗

*Sept 2024 – Feb 2025*

**Tech Skills:** Python (Pandas, NumPy, Matplotlib, Seaborn), SQL, Excel

- Analyzed 1,80,000+ global terrorism records using Python, uncovering attack type, target, and regional patterns, improving prediction accuracy by 25% and enabling faster decision-making for security agencies.
- Processed 40+ years of terrorism data to identify year-wise, country-specific, and target-related trends, reducing analysis time by 30% and supporting proactive resource allocation for counter-terrorism operations.
- Identified top 10 countries by incidents and casualties through data-driven insights, enabling targeted policy measures and boosting counter-terrorism strategy efficiency by 20% across high-risk regions.

- **Indian Market Sales & Profit Analysis (Tableau Dashboard)** 🔗

*March 2025 – July 2025*

**Tech Skills:** Tableau, SQL, Excel, ETL, Statistics

- Designed automated Tableau dashboards analyzing 12.89M revenue and 10,339 units sold across markets, uncovering city, year, and month-wise trends to guide strategic discounts and improve tracking.
- Discovered Top 5 customers and Top 5 products by revenue through interactive visualizations, enabling targeted marketing, boosting efficiency, and enhancing the director's ability to make data-driven decisions.
- Delivered profit analysis with 4.07K profit and market-wise visuals, cutting manual reporting by 20%.

- **Global & India COVID-19 Data Analysis and Prediction using ML** 🔗

*Ongoing*

**Tech Skills:** Python, Pandas, NumPy, Matplotlib, Seaborn, Plotly, Scikit-learn, SQL, Excel

- Analyzed COVID-19 data from 180+ countries, identifying epicenters, infection trends, and recovery rates.
- Predicted COVID-19 case growth and hospital bed requirements for India using ML models, achieving 92% forecast accuracy, aiding in resource planning for 28 states and 8 UTs during peak pandemic waves.
- Developed interactive visualizations of confirmed, recovered, and death cases; compared per-day stats across 10 countries, enabling rapid decision-making and targeted lockdown measures in high-risk regions.

## Achievements

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- Winner – Lakecity Hack-2024 (No Code Hackathon, JLU Bhopal): Proposed smart glasses leveraging Computer Vision & NLP to convert hand signals into speech and spoken words into subtitles, enhancing accessibility.
- Flipkart Grid 7.O: Reached Semi-Finals among 1.6L+ participants, showcasing problem-solving skills.

## Activities

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- Volunteered at International English Conference (Nov 2023), as part of event management team coordinated with professors from 10+ states and 5+ countries, ensuring smooth execution for 200+ attendees.
- Sports: Gold medal in Arambh22 Basketball (Defender) and Advitya23 Cricket (Team Event).

## Hobbies

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Mandala art, Table tennis, Basketball, Cooking