

# Kumari Pragya Rani

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## Education

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VIT Bhopal University, B.Tech in Bio Medical Engineering

Sept 2022 – May 2026

- GPA: 8.93

## Academic Projects

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### Hospitality Insights [LINK](#)

Jan 2025

- Developed a comprehensive Power BI dashboard, integrating over 100 data metrics to diagnose declining market share for a fictional 5-star hotel chain.
- Optimized key performance indicators (KPIs) including RevPAR, ADR, DSRN, Occupancy, and Realization%, pinpointing 7 critical underperforming areas.
- Leveraged advanced DAX formulas and data modeling techniques to generate actionable insights, reducing forecast errors by 25%.

### Cricket Insights [LINK](#)

Dec 2024

- Evaluated over 5,000 player performance data points from the T20 World Cup 2022 to identify optimal Best XI team combinations, improving strategic selection by 15%.
- Implemented ETL processes and developed automation scripts for efficient data collection and processing.
- Streamlined data extraction from ESPNcricinfo using Python's pandas, enhancing data quality and ensuring 98% accuracy in subsequent analysis.
- Designed interactive Power BI dashboards, facilitating real-time player and team comparison and boosting decision-making efficiency by 40%.

### Pizza Sales Analysis [LINK](#)

May 2024

- Executed detailed sales analysis on a dataset of 50,000+ pizza orders to uncover peak hours, top-selling items, and critical revenue trends.
- Engineered complex SQL queries with joins, aggregations, and subqueries to identify 15% increase opportunities in sales and optimize inventory management.
- Presented business insights clearly through Excel and Tableau visualizations, enhancing strategic planning for marketing campaigns by 20%.

## Technical Skills

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- Data Analytics:** Python, R, C++, Pandas, NumPy, Matplotlib
- Visualization Tools:** Power BI, Tableau, MS Excel
- Database:** SQL, Database Design, Query Optimization, MySQL
- Soft Skills:** Collaborated with a 4-member team to develop a Power BI dashboard.

## Achievements

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- Collaborated in Health Hackathon with Johns Hopkins University Jan 2025
- Achieved Top 5 Project recognition at Industry Conclave, VIT Bhopal Aug 2024
- Awarded 2<sup>nd</sup> Prize in Ideathon Feb 2024
- Secured 2<sup>nd</sup> Position on National Science Day Exhibition, VIT Bhopal Feb 2024
- Earned 4<sup>th</sup> Position in BioCraft held at IIT Kharagpur Jan 2024

## Certifications

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- Google Data Analytics Professional Certificate June 2025
- Deloitte Australia Data Analytics Virtual Job Simulation May 2025