

# Sanskar Ranwa

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## EDUCATION

### VIT Bhopal University

*Bachelor of Technology in Computer Science Engineering*

CGPA: 8.07/10

Bhopal, India

*July 2022 – Present*

### Jayshree Periwai High School

*Class XII*

Percentage: 76.0%

Jaipur, India

*May 2021*

### Nosegay Public School

*Class X*

Percentage: 81.0%

Rajasthan, India

*May 2019*

## PROJECTS

### Vendor Performance Analysis Dashboard | *SQL, Python, Pandas, Power BI*

July 2025

- Analyzed **1,500+** vendor transactions from **6 procurement cycles**, cleaning records to **98% accuracy** with Python & Pandas; detected **22% improvement** in on-time deliveries and flagged **12 compliance risks** via SQL.
- Built a **Power BI dashboard** with **15 visualizations** tracking **9 KPIs**, integrated with React.js for real-time access by **50+ stakeholders**, boosting vendor management efficiency by **40%**.

### Cricket Match Analysis Dashboard | *Python, Pandas, Power BI*

June 2025

- Scraped and cleaned over **2000+** match data points from the T20 World Cup, achieving **99%** data accuracy using Python and Pandas.
- Built interactive Power BI dashboards with **20+ visualizations**, driving **35% faster** insights for team and player performance analysis. [GitHub]

### Book Recommender | *Python, Scikit-learn, Pandas, NumPy, K-Means Clustering*

May 2025

- Built a content-based recommender using K-Means clustering on a dataset of **8,000+** books
- Clustered books based on genre, author, and metadata to display **6–10** similar titles
- Engineered features and optimized clustering to ensure **100%** meaningful recommendations

### Business Data Visualization | *Business Analysis, Data Visualization*

November 2024

- Analyzed over **50,000+** data points across **10+** business KPIs and selected optimal visualization techniques, enhancing stakeholder understanding and decision-making efficiency by **30%**.
- Designed and deployed **5+** interactive dashboards using Power BI and Tableau, increasing actionable insight adoption by **25%** and reducing report turnaround time by **20%**.

## TECHNICAL SKILLS

**Languages:** Python, SQL, Java

**Frameworks:** Pandas, SQL, Tableau, MongoDB

**Tools:** Jupyter Notebook, BigQuery, Git, Power BI, Tableau, Excel

**Certifications:** NPTEL, Bits and Bytes of Computer Networking (Google, 2024), AWS Solutions Architect-Associate Certificate Program(2025), Embedded System Design Internship Program(2025)

## ACHIEVEMENTS

Led a team to secure **1st Place** in the **2024 Firefox Expedition Programming Competition**, organized by the Firefox Club of VIT Bhopal. **1st Place** at the district-level music competition.

Earned **1st Position** in the **Music Category** at the 2022 Talent Show.

Winner of the **Sargam Singing Competition**, demonstrating excellence in vocal performance in a university-level cultural event.