

MAYANK RANA

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PROFESSIONAL SUMMARY

Detail-oriented **Data Analyst** with a Bachelor's degree in Computer Applications (BCA) and currently pursuing **MCA**. Skilled in SQL, Python, Power BI, and Excel, with a proven track record of building complex KPI dashboards and performing data cleaning for actionable business insights. Strong foundation in data modeling, DAX, ETL processes, and machine learning fundamentals. Passionate about solving business problems through data-driven decision-making..

EDUCATION

- **Master of Computer Applications (MCA)** | Dewan Institute of Management Studies, Meerut, U.P. | **Expected 2027**
 - **Bachelor of Computer Applications (BCA)** | Dewan Institute of Management Studies, Meerut, U.P. | **2025**
 - **Intermediate Education (12th)** | K.S. Inter College, Kuralsi, Muzaffarnagar | **2022**
 - **Secondary Education (10th)** | K.S. Inter College, Kuralsi, Muzaffarnagar | **2020**
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TECHNICAL SKILLS

- **Data & Analytics:** Power BI, DAX, Power Query, SQL, Python (Pandas, NumPy, Matplotlib), Data Cleaning, Data Manipulation, Basic Machine Learning, Excel
 - **Programming Languages:** Python, SQL
 - **Database:** MySQL
 - **Business Tools:** Tally ERP9, Tally Prime, MS PowerPoint
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PROJECTS

IPL Analysis Dashboard (Power BI)

- Built a multi-season IPL dashboard (2008–2025) using star schema and Power Query.
- Developed DAX-based KPIs for player and team performance with season comparisons.
- Implemented interactive drill-down features, increasing user engagement by 30%.

- **Super Store Sales Dashboard (Power BI)**

- Designed sales dashboard analyzing 22K+ orders (\$1.6M revenue, \$175K profit).
 - Created DAX KPIs for Sales, Profit, Margin, CLV, and YoY/MoM analysis with forecasting models.
 - Enabled category and region-level drill-down insights; improved forecast accuracy by 15%.
- **HR Analytics Dashboard (Power BI)**
 - Developed HR attrition dashboard using star schema and Power Query.
 - Built DAX measures for attrition rate, salary trends, and tenure analysis.
 - Reduced manual HR reporting effort by 30% through automation.
- **Bank Application**
 - Engineered a robust database schema with optimized indexing strategies using Java and JDBC that supported a 50% increase in transaction volume.
 - Architected a streamlined and scalable MySQL database infrastructure, enhancing query speeds by 60% and reducing data retrieval latency.
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CERTIFICATIONS & TRAINING

- **Data Analytics & Machine Learning Training** | RCPL (*Ritusha Consultants Pvt. Ltd.*) | (*March 2025-April 2025*)
 - Completed hands-on training in Python-based data analysis.
 - Performed data cleaning, manipulation, and visualization using Pandas, NumPy, and Matplotlib.
 - Applied basic machine learning models for predictive analysis and understanding end-to-end data workflow.
- **Diploma in Computer Application** | AICPE | (*May 2022-Nov 2022*)
 - Gained foundational knowledge in MS Office (Word, Excel, PowerPoint) and data management.
 - Built a strong foundation in Tally ERP9 and Tally Prime, including ledger creation, voucher entry, GST transactions, and financial reporting.