

MAYANK RANA

BCA (Computer Science) (2025)

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PROFESSIONAL SUMMERY

Final-year BCA student with project-based experience in frontend development and data analytics. Built responsive web applications using React, JavaScript, HTML/CSS, and MySQL. Created dynamic dashboards in Power BI, analyzing 5,000+ data rows using DAX and Power Query. Strong understanding of UI/UX design principles, clean coding practices, and backend integration. Seeking a role to apply full-stack development and data analysis skills in real-world environments.

EDUCATION

- Bachelor of Computer Application 2025
Dewan Institute of Management Studies,
Meerut, U.P
 - Intermediate Education (12th) 2022
K.S. Inter College, Kuralsi, Muzaffarnagar
 - Senior Secondary Education (10th) 2020
K.S. Inter College, Kuralsi, Muzaffarnagar
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TECHNICAL SKILLS

Power BI | Basic SQL | Python | Java | Data Cleaning | Data Manipulation | Analysis | Basic Machine Learning | HTML | CSS | JavaScript | Excel | PowerPoint | Tally ERP9

PROJECTS

- **Bank Application** – Developed a full-featured banking system enabling users to manage accounts, perform money transfers, view balances, and track transaction history. Implemented a secure authentication system and optimized data handling using a MySQL database.

Key Features:

- Engineered a robust database schema with optimized indexing strategies using Java and JDBC that supported a 50% increase in transaction volume while ensuring data integrity by increasing data accuracy

- Architected a streamlined and scalable MySQL database infrastructure, enhancing query speeds by 60% and reducing data retrieval latency for secure money transfers between accounts, which improved user experience.
 - **Technologies Used:** Java, MySQL, JDBC
 - **Achievements:** Built a streamlined, scalable database structure and optimized performance with fast, reliable queries, ensuring smooth operation and secure data management
- **HR Analytics Dashboard (Power BI)** – Designed and implemented an interactive dashboard to analyze employee attrition trends. Utilized **Power Query** for data cleaning and transformation, and applied **DAX** to create key performance indicators such as attrition rate and average salary. Integrated **dynamic slicers, filters, and drill-down visuals** to enable detailed, role-specific insights and support data-driven decision-making.
- Pioneered a Power BI sales analytics dashboard featuring forecasting models and DAX-driven KPIs, which visualized seasonal sales patterns and improved forecast accuracy by 15% to drive better inventory management.
- **Super Store Sales Dashboard (Power BI)** – Created a comprehensive sales analytics dashboard to monitor performance metrics, profitability, and regional trends. Performed data preparation using **Power Query** and developed key performance indicators with **DAX** formulas. Integrated **forecasting models** to reveal seasonal trends and future sales patterns. Enabled **interactive data exploration** through slicers, filters, and hierarchical drill-downs for customized reporting.

INTERNSHIP & TRAINING

➤ **RCPL (Ritusha Consultants Pvt. Ltd.)**

March 2025-April 2025

Data Analytics & Machine Learning Training Project (Python) – Completed a practical training program focused on essential data science skills using Python. Worked extensively with data cleaning, manipulation, and visualization using libraries like Pandas, NumPy, and Matplotlib. Applied machine learning techniques to generate predictive insights and developed a strong understanding of the entire data science workflow, from data preparation to model evaluation.

➤ **AICPE (Diploma in Computer Application)**

May 2022– Nov 2022

Computer Fundamentals & Office Tools Training – Successfully completed training covering the basics of computers and Microsoft Office applications including MS Word, Excel, PowerPoint, and Access. Gained hands-on experience in document creation, data management, and presentation design. Also learned the basics of web development using HTML and CSS, along with foundational skills in Tally ERP9 for accounting and business management tasks.

AREAS OF INTEREST

- Cloud Computing

- Cricket Analysis
- Web Development
- Dashboard Creation