

Renu Moolchandani

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EDUCATION

Birla Institute of Technology, Mesra

2020 - 2024

Bachelor of Technology in Electronic & Communication Engineering – CGPA: **8.4 / 10.0**

Ranchi, Jharkhand

Maheshwari Girls Sr. Secondary School

2019 - 2020

Class 12th – percentage: **77**

Jaipur, Rajasthan

Maheshwari Girls Sr. Secondary School

2017 - 2018

Class 10th – percentage: **84.17**

Jaipur, Rajasthan

EXPERIENCE

Zippy Infotech

Jun 2023 – Jul 2023

Android Development Intern

Jaipur, Rajasthan

- Successfully developed 2 beginner-level android applications within 12 months, gaining proficiency in Java and XML, and receiving commendation from 50% of beta testers.
- Partnered with senior developers to implement complex algorithms in Java for mobile app; improved app stability, reducing crash rates by 15% and enhancing user satisfaction.
- Collaboratively engaged in UI design implementation & effectively resolved application troubleshooting challenges.

Projects

Locker Allotment & Management App

- Engineered an Android application using **Java & Android Studio**.
- Developed QR code scanning capability utilizing the **ML Kit Barcode Scanning API**.
- Incorporated camera and gallery functionalities for seamless image selection.
- Designed an innovative locker allocation system that increased locker utilization by 35% & minimized allocation errors by 20%, enhancing operational efficiency significantly.

Retail Store Sales Analysis and Performance Dashboard

- Analyzed retail sales data to identify top-selling products, sales trends, and customer demographics.
- Cleaned and processed data using **Pandas** and **NumPy** from **Excel** and **SQL** databases.
- Aggregated sales metrics by region, product category, and customer type using **SQL** queries.
- Created **Power BI** dashboards showcasing **KPIs** such as total sales, best-selling products, and sales by region.
- Provided actionable insights for optimizing inventory management and improving marketing strategies.

Customer Purchase Behavior Analysis for a Retail Business

- Analyzed customer purchase patterns to understand spending habits and product preferences.
- Cleaned and processed transaction data using **Pandas** and **NumPy** from **Excel** and **SQL** databases.
- Used **SQL** to generate metrics like average spend per customer and most frequently purchased products.
- Developed a **Power BI** dashboard to visualize customer spending, purchase frequency, and top-selling products.
- Provided insights to identify loyal customers and improve product recommendations and marketing efforts.

Skills

- **Technical Skills:** Python, Java, Android Development, MS Excel, Power BI.
- **CS Fundamentals:** Data Structures & Algorithms, Object Oriented Programming in Java, Operating System, Database Management System, Computer Networks.
- **Databases:** SQL
- **Non-Technical Skills:** Problem Solving, Critical & Analytical Thinking, Effective Communication.
- **Core Fundamentals:** Electronic Devices & Circuit.