

Data Analysis

Project Workflow with Power BI, SQL,
Python, and Excel



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Introduction

- Data analysis means examining data to find useful info. It's super important for making smart decisions. We use popular tools like Power BI, SQL, Python, and Excel in this project.

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Data Analysis Project Overview

- Excel for reporting to analyze data effectively.



Tools used: Power BI, SQL, Python, Excel

- We combine Power BI for visuals, SQL for data querying, Python for automation, and Excel for reporting to analyze data effectively.

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Key objectives and goals



- Our main goals include cleaning data, running SQL queries, automating with Python, visualizing insights in Power BI, and creating reports in Excel.

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Dataset highlights and sources

- We worked with a sales dataset from Kaggle featuring over 10,000 rows and 15 columns. It includes sales, product details, and customer info, perfect for demonstrating data analysis skills.



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Blinkit clone

1. This combo helps create a smooth, full-stack online grocery app.



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Tech stack and architecture



- The Blinkit Clone uses React for frontend, Node.js backend, and MongoDB database. This combo helps create a smooth, full-stack online grocery app.

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Core features and user functionality

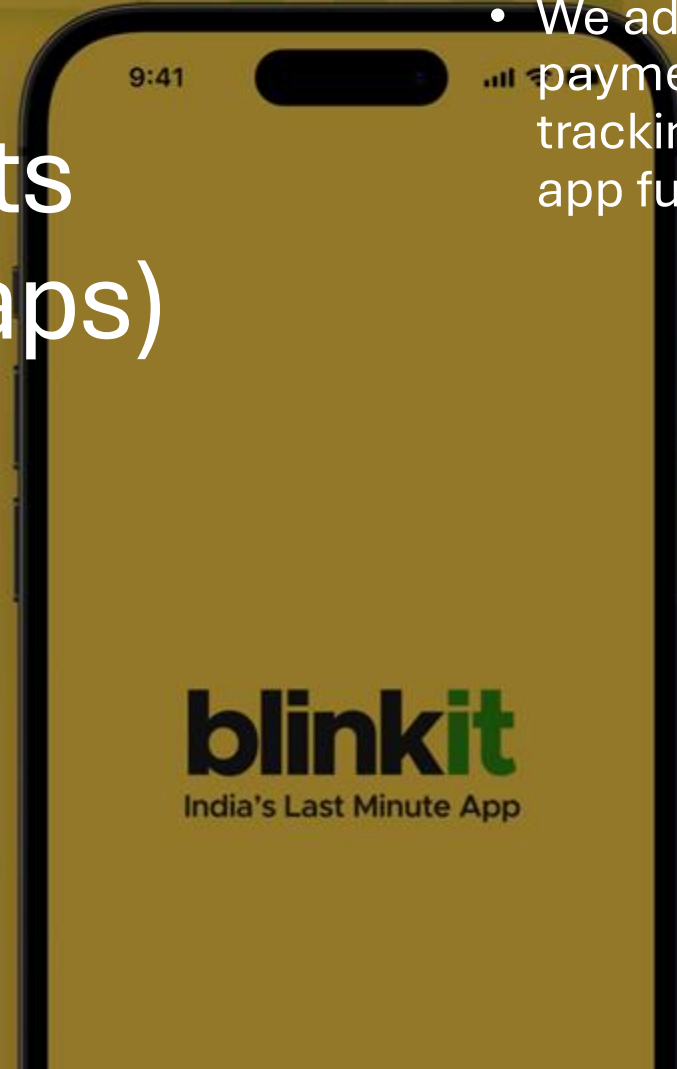
- Key features include user authentication (signup/login), product browsing, adding items to the cart, checkout process, and real-time order tracking.



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Optional enhancements (payment, maps)

- We add features like Razorpay for payments and Google Maps API for delivery tracking to enhance user experience and app functionality.



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Conclusions

- This project combines data analysis and app development skills. It shows how tools and coding come together to solve real-world problems in data insights and e-commerce.

