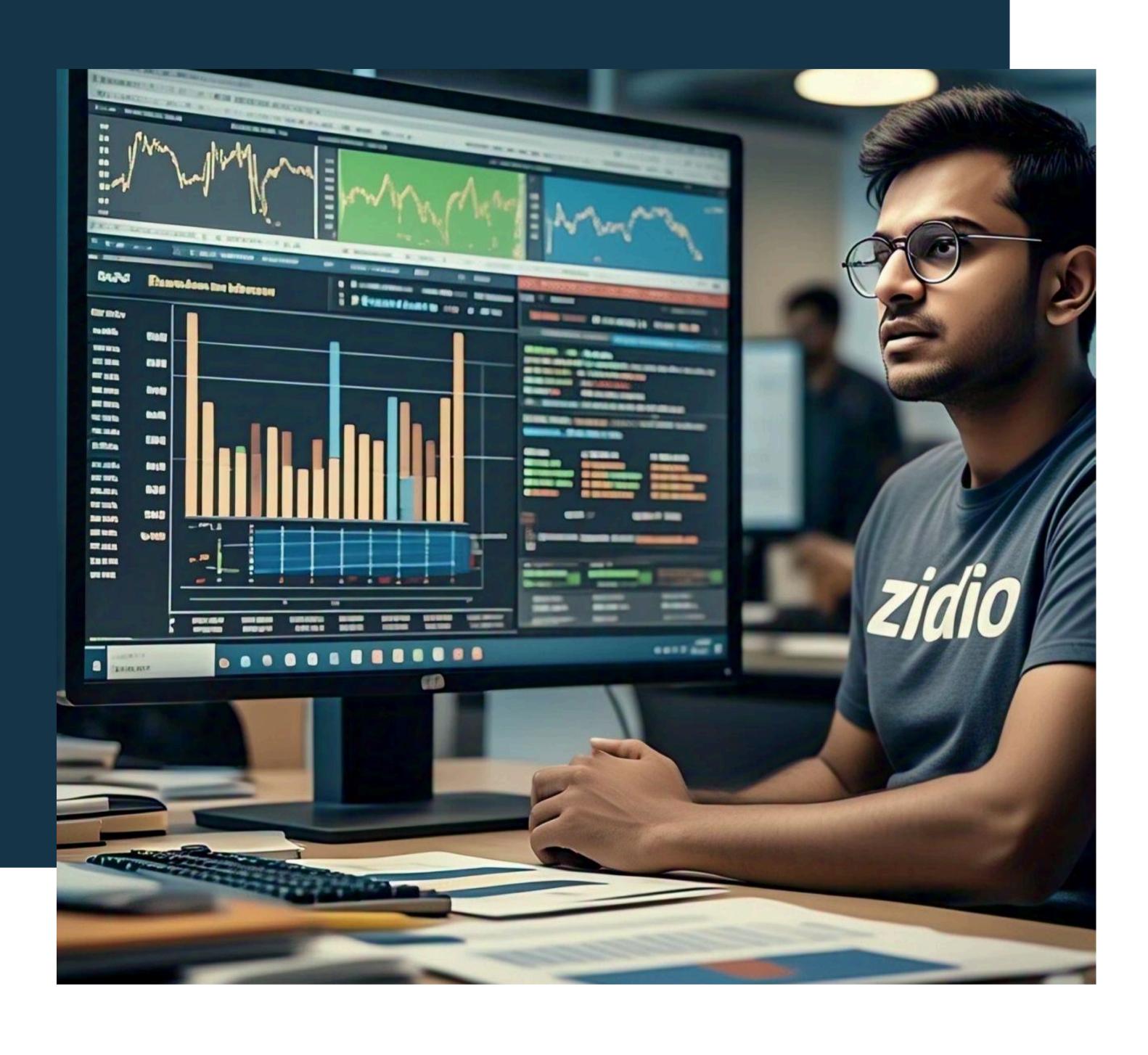# Data Analytics
project

Ipl data analysis and extract insights using interactive dashboard.

Description :

This project focuses on analyzing Indian Premier League (IPL) data to extract valuable insights and present them through an interactive dashboard. Students will work with real-world datasets, applying data analytics, visualization techniques, and statistical models to uncover trends in team performances, player statistics, and match outcomes.

By leveraging Python, Pandas, Matplotlib, Seaborn, and dashboard tools like Tableau or Power BI, students will create interactive visualizations that provide meaningful insights into the game. This hands-on experience will enhance their data manipulation, business intelligence, and storytelling skills, essential for careers in data analytics.

Feature Examples :

1. Match & Team Performance Analysis.

- Evaluate team performances across seasons, identifying winning patterns and consistency.

2. Player Statistics & Rankings.

- Analyze top players based on runs, wickets, strike rates, and overall contributions.

3. Venue & Toss Impact Study.

- Assess how different stadiums and toss decisions influence match outcomes.

4. Head-to-Head Comparisons.

- Compare two teams' past performances, including batting, bowling, and win ratios.

5. Win Prediction & Trend Analysis.

- Identify key factors that contribute to match wins using data-driven insights.

6. Interactive Visualizations & Dashboards.

- Build dynamic dashboards with filters, graphs, and charts for real-time data exploration.