Student Attendance Analyzer

Internship Project 1 - Guvi HCL

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Project Overview

- The Student Attendance Analyzer is a data analysis project developed to monitor and evaluate student attendance patterns. It helps identify students with low attendance and trends over time for better academic decision-making.

Objectives

- - Analyze attendance data using Python and Pandas

- - Visualize trends with Matplotlib and Seaborn

- - Identify low-performing students in terms of attendance

- - Present insights with charts and visual dashboards

Tools & Technologies Used

- - Python
- - Pandas
- - Matplotlib
- - Seaborn
- - Jupyter Notebook
- - GitHub
- - PowerPoint

Sample Attendance Data Structure

- Columns:
- - Student_ID
- - Name
- - Date
- - Status (Present/Absent)

Key Insights

- - Total attendance percentage calculated for each student
- - Monthly trends reveal drop in attendance before holidays
- - Students with <75% flagged for review

GitHub Repository

- The complete project code, dataset, and Jupyter Notebook files are available in the public GitHub repository.

- 👉 GitHub Link: https://github.com/mdasfak57/student-attendance-analyzer.git

Thank You

- Questions? Reach out via GitHub.