

# Student Attendance Analyzer

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Internship Project 1 - Guvi HCL

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# Project Overview

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- 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

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- - 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

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

# Sample Attendance Data Structure

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- Columns:
- - Student\_ID
- - Name
- - Date
- - Status (Present/Absent)



# Key Insights


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



# GitHub Repository

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- 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

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- Questions? Reach out via GitHub.