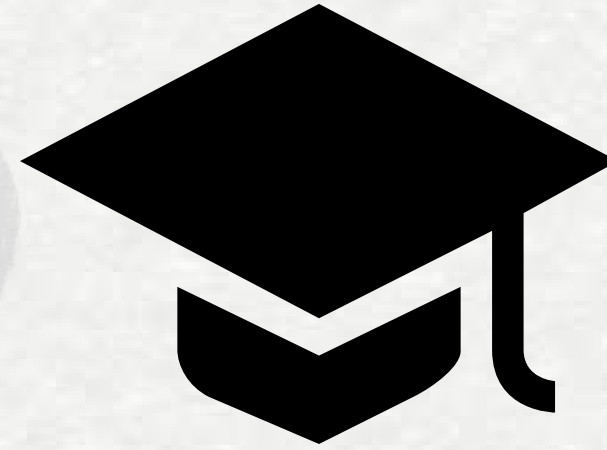


- **TEAM 4**



RECOMMENDING STUDY HABITS BASED ON STUDENT BEHAVIOR

Mentor: Mr. Krushnaraj

Introduction

1. The **Study Habit Recommendation System** helps students improve learning by giving **personalized study suggestions**.
2. It analyzes behavior data like **study hours, quiz scores**, and focus levels to identify patterns.
3. Using this, the system recommends the **best study methods, time schedules, and break intervals** for each student.



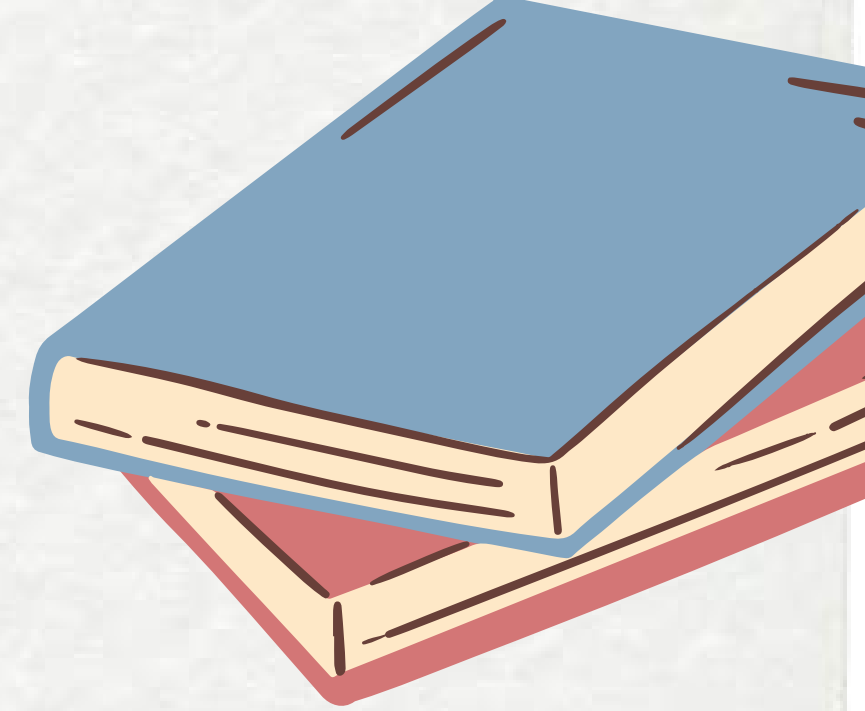
Project Overview

CUSTOMER FEATURES

- 1.**CREATE** a new user account to access the application.
- 2.**LOGIN** with your username and password to use the system.
- 3.**LOG STUDY BEHAVIOR** by entering study hours, quiz results, attention span, and distractions.
- 4.**RECEIVE RECOMMENDATIONS** for study time, break intervals, and learning methods.
- 5.**VIEW PERFORMANCE** through weekly progress tracking and feedback reports.
- 6.**UPDATE OR MODIFY** your study logs to get improved suggestions.



ADMINISTRATOR FEATURES



- 1.LOGIN** with secure admin credentials to access the dashboard.
- 2.UPLOAD DATASETS** containing student study behavior and performance details.
- 3.RETRAIN MODELS** using updated data to improve recommendation accuracy.
- 4.MANAGE USERS** by monitoring student accounts and their activity.
- 5.VIEW DASHBOARD** to analyze study behavior clusters and overall system performance.
- 6.UPDATE OR MODIFY** existing data and configurations for better results.



MILESTONE-1

1. The system allows students to **register and log in** securely to access their accounts.
2. A **student dashboard** has been developed to provide easy navigation and interaction.
3. Data entered from **frontend pages is successfully stored in the database**, ensuring proper record-keeping.



MILESTONE-2

1.A course **tracking section** has been added to the user dashboard, displaying course details such as course name, start date, end date, hours spent, completion percentage, and current status in a clear **table format**.

2.An **Admin Dashboard** has been developed with the ability to manage students. It includes a table view of all student course details and a "**New Student**" button that opens a form for adding new records.

3.The system now allows **data entry from the Admin Dashboard** directly into the database, ensuring accurate record management and real-time updates for both users and admins.



MILESTONE-3

1. A **personalized user dashboard** has been implemented that **fetches and displays study progress** specific to the logged-in user from the **admin database**.
2. The dashboard now supports **multiple users**, with each user seeing their own enrolled **courses, progress percentages, and course durations dynamically**.
3. **Individual course modules with hours completed and status** (e.g., "In Progress") are displayed, allowing users to track their **learning journey accurately**.



MILESTONE-4

1. Automated Notification System:

Send reminder emails to registered users three times a day (morning, afternoon, evening) based on their course completion percentage, encouraging them to complete the pending course.

2. Quiz Reminder Integration:

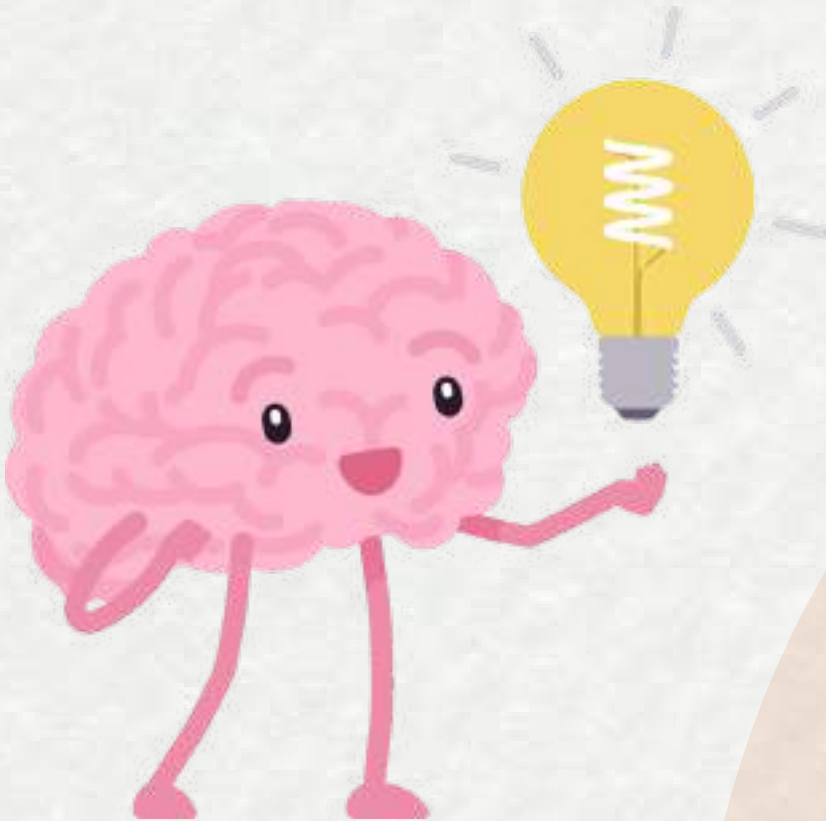
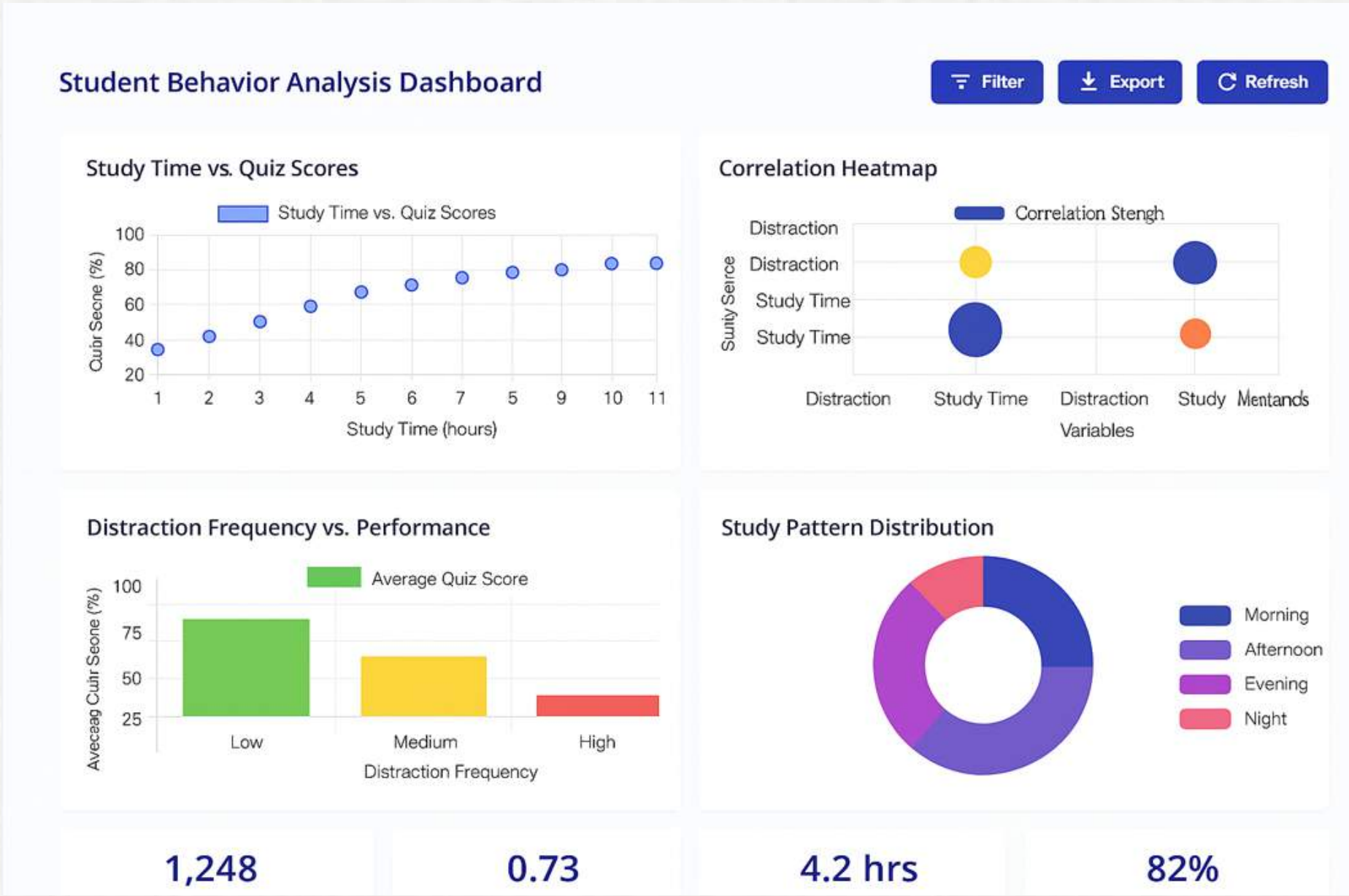
Automatically send reminders to users when a new quiz is added, prompting them to attempt the test.

3. AI-Based Dashboard Alerts:

Use AI to identify courses with 75% or more completion and display alert notifications on the user dashboard, suggesting which course to complete first.



Data Preprocessing and EDA

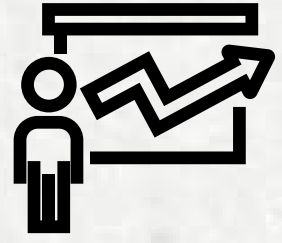


🏠 Home page

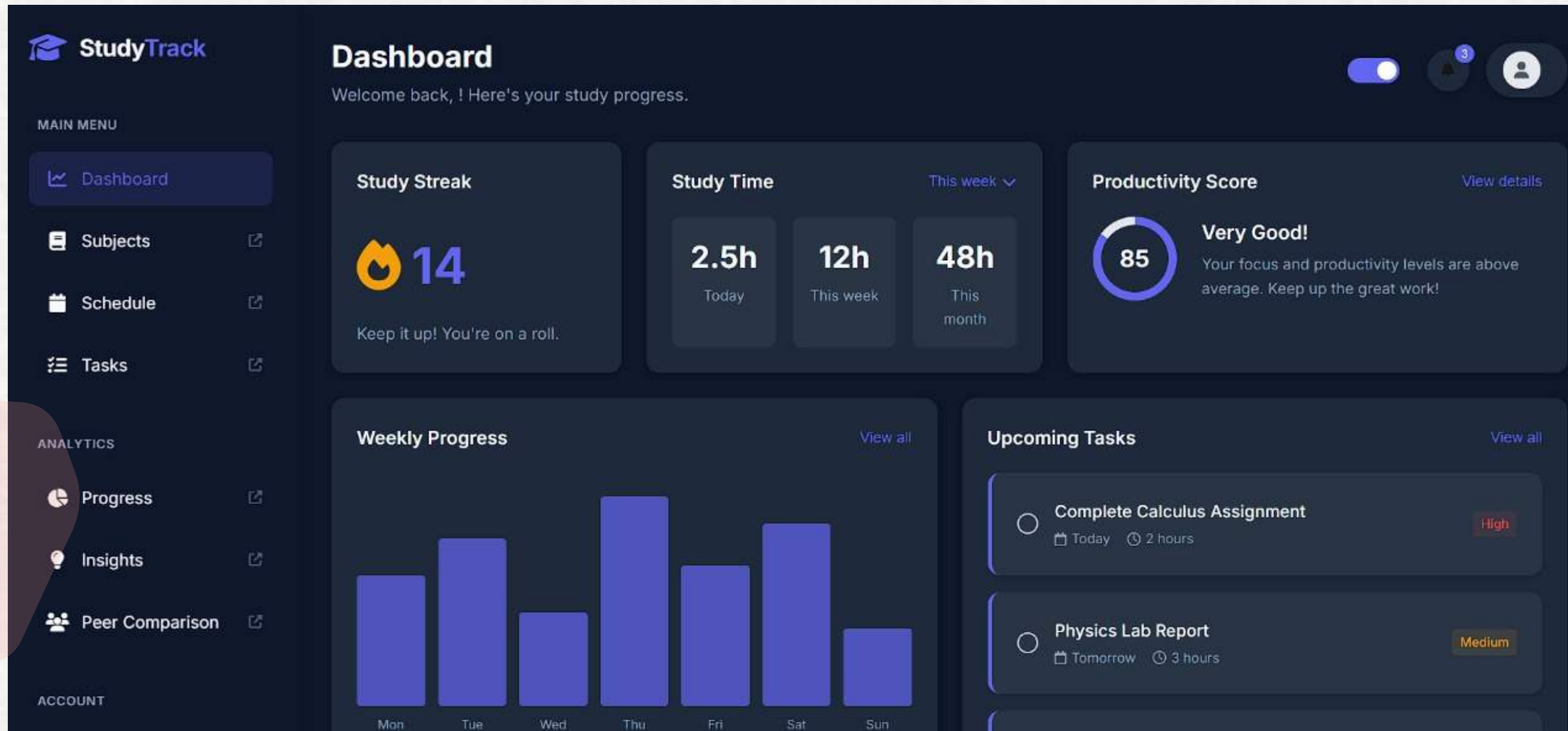


1.Explore Features – Click the Features button to see what tools and benefits the platform offers.

2.Get Started – Use the Log In or Sign Up buttons to create an account and begin using StudyTrack.



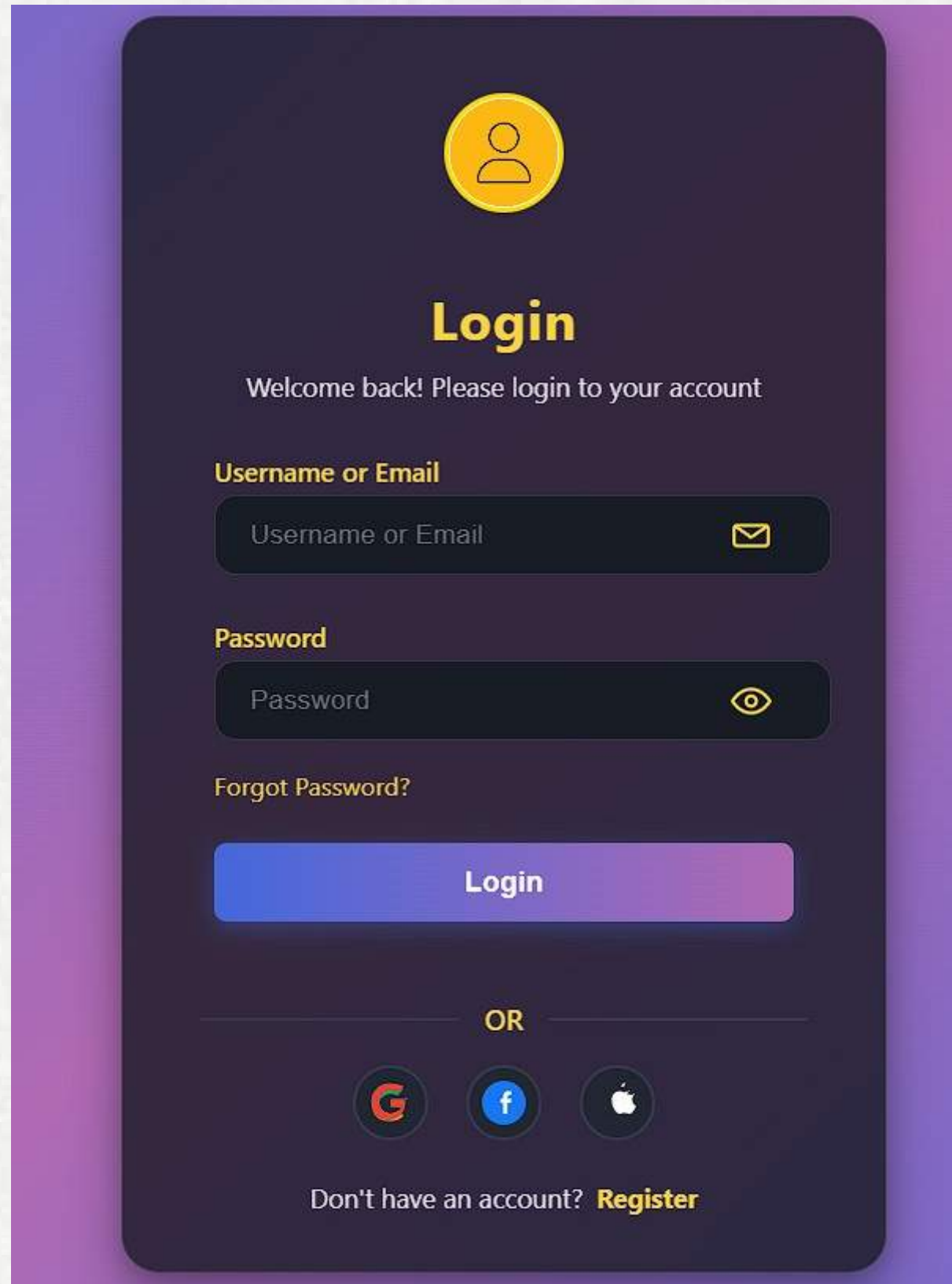
Dashboard page



1. Shows **study streak**, **study time**, **productivity score**, and **weekly progress**.

2. Displays **upcoming tasks** with **deadlines** and **priorities**.

Login page

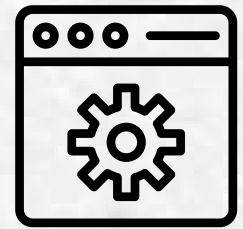


A dark-themed login page with a purple gradient background. At the top is a yellow circular icon with a person silhouette. Below it, the word "Login" is written in yellow. A welcome message "Welcome back! Please login to your account" is in white. The form includes a "Username or Email" field with a yellow envelope icon, a "Password" field with a yellow eye icon, and a "Forgot Password?" link. A blue "Login" button is below the fields. Underneath is an "OR" separator and three social login buttons for Google, Facebook, and Apple. At the bottom, it says "Don't have an account? Register" with "Register" in yellow.

1.This page provides a **login form** with fields for Username / email, password, and a “forgot password?” options

2.It also offers **social login options** (Google, Facebook, Apple) and a link to register a new account.





Registration page

Register
Create your account to get started

Username
Username

First Name
First Name

Last Name
Last Name

Email
Email

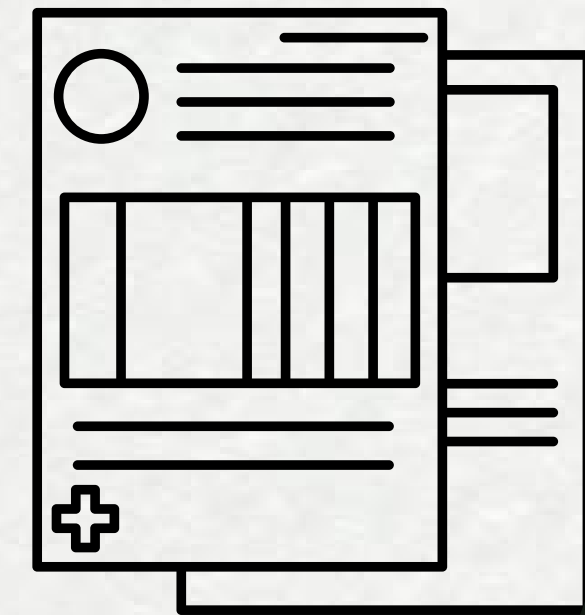
Password
Password

Confirm Password
Confirm Password

Register

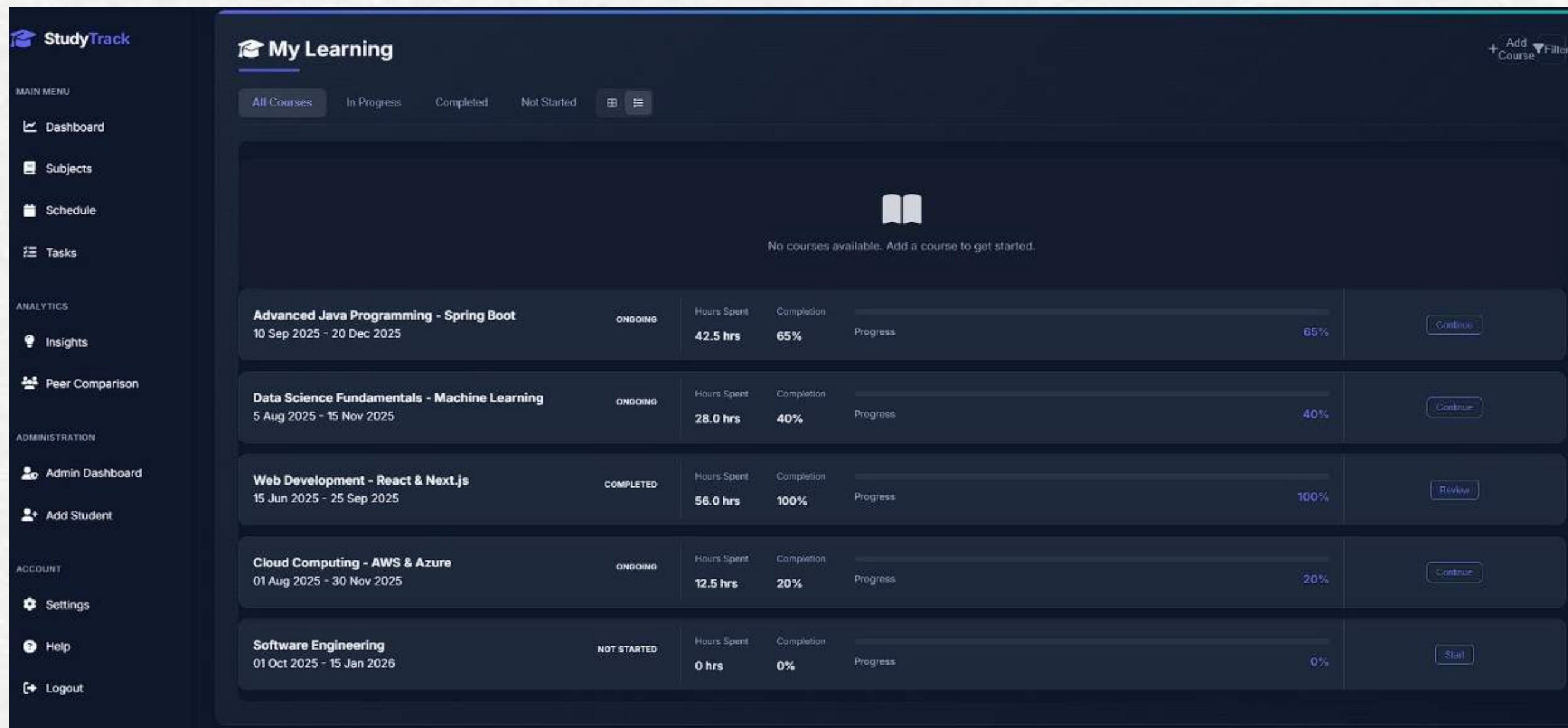
Already have an account? [Login](#)

1. This page contains a **registration form** with fields for username, name, email, password, and confirm password.
2. It includes a **Register button** and a link to **Login** for existing users.





My Learning Dashboard



1. Tracks **course progress** with status & completion.
2. Shows **hours spent** for better time management.
3. Shows **hours spent** and **completion percentage** for each subject.

+ Add New Course Activity

Add New Course Activity

[← Back to Dashboard](#)

Full Name

Email Address

Course Name

Start Date

End Date

Hours Spent

Completion (%)

Status

Select Status

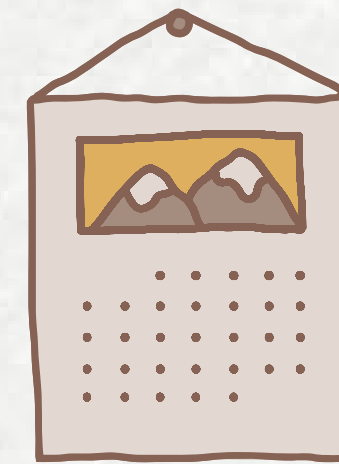
Save Activity

X Cancel

1. Collects student details – full name and email.
2. Records course information – name, start date, and end date.
3. Tracks hours spent, completion percentage, and course status.



Admin Dashboard



Admin Dashboard

+ Add New Student

Login successful!

ID	NAME	EMAIL	COURSE NAME	START DATE	END DATE	HOURS SPENT	COMPLETION %	STATUS	ACTIONS
1	keerthi	chaitanyavardhineedi@gmail.com	java	Sept. 30, 2025	Nov. 19, 2025	6.0	100%	COMPLETED	<div><div></div><div></div></div>
2	lahari	22A81A6165@sves.org.in	python	Sept. 28, 2025	Oct. 30, 2025	4.0	73%	ONGOING	<div><div></div><div></div></div>
3	tommy	tommy1234@gmail.com	ai	Sept. 27, 2025	Oct. 15, 2025	3.0	0%	NOT STARTED	<div><div></div><div></div></div>
4	chaitu	tarunrockzz5293@gmail.com	machine learning	Sept. 29, 2025	Nov. 25, 2025	5.0	85%	ONGOING	<div><div></div><div></div></div>

Showing 1 to 4 of 4 entries

< Previous

Page 1 of 1

Next >

1. Manages **student details with course progress.**
2. Allows **adding, editing, and deleting students.**
3. Tracks **hours spent** and **completion percentage.**



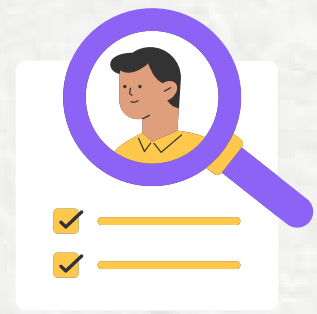
Student Database (MySQL)

Query 1: ui_student

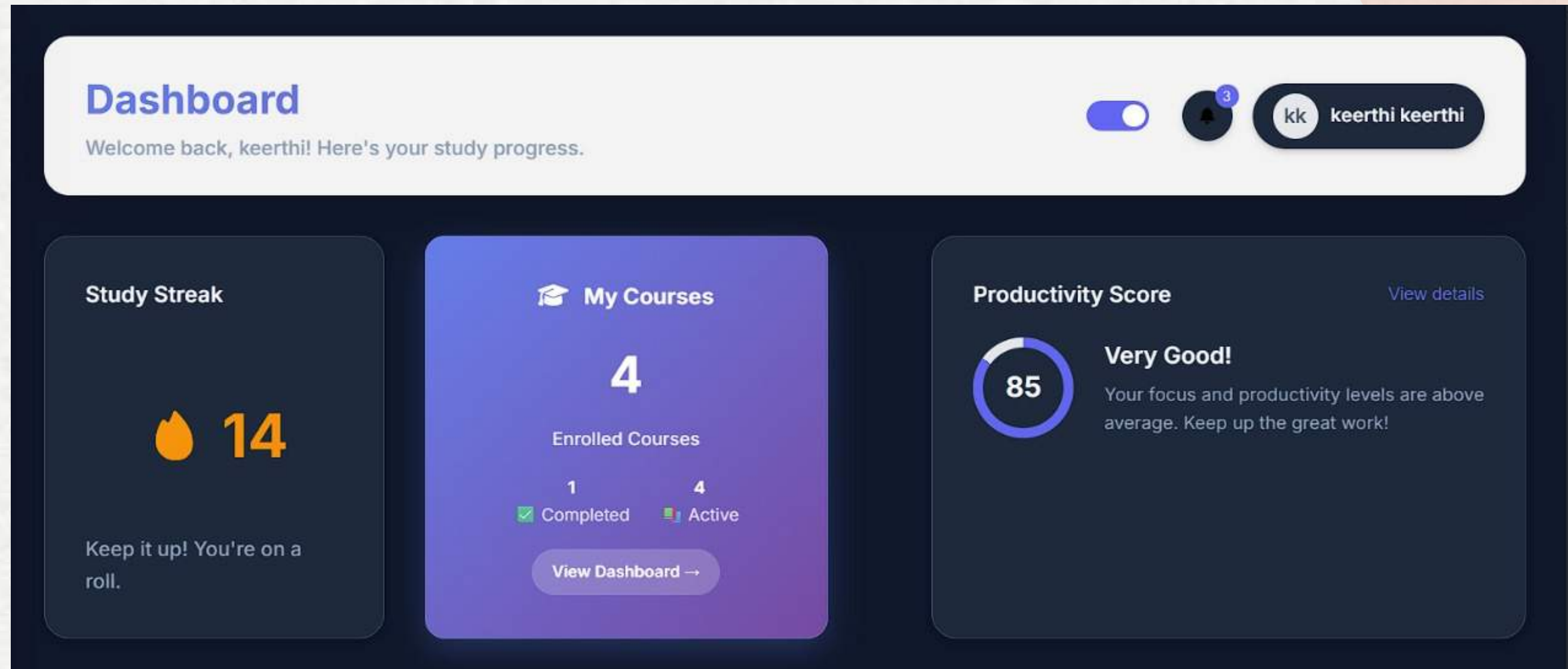
Limit to 1000 rows

id	name	student_id	email	phone	department	year	semester	enrollment_date	completion	course_name	end_date	hc
1	keerthi	STU-001	chaitanyavardhineedi@gmail.com						100	java	2025-11-19	6
2	lahari	STU-002	22A81A6165@sves.org.in						73	python	2025-10-30	4
3	tommy	STU-003	tommy1234@gmail.com						0	ai	2025-10-15	3
4	chaitu	STU-004	tarunrockzz5293@gmail.com						85	machine learning	2025-11-25	5

1. Stores **student details** like ID, email, and course info.
2. Tracks **course completion** and enrollment dates.
3. Acts as **backend support** for the dashboard system.



Study Progress Overview



1. You are maintaining a consistent and positive study streak.
2. You are actively progressing through your enrolled courses.
3. Your productivity and focus levels are rated highly.



Candidate - Progress

[← Back to Dashboard](#)

Data Science with Machine Learning

Master data analysis and ML algorithms

🕒 0.0 hours completed📊 0% Complete📅 Status: In Progress

Overall Progress
0%

Course Modules

🕒 0.0/20.0 hours

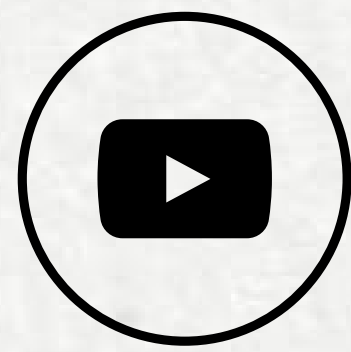
Data Analysis with Pandas

Module 1 of Data Science with Machine Learning

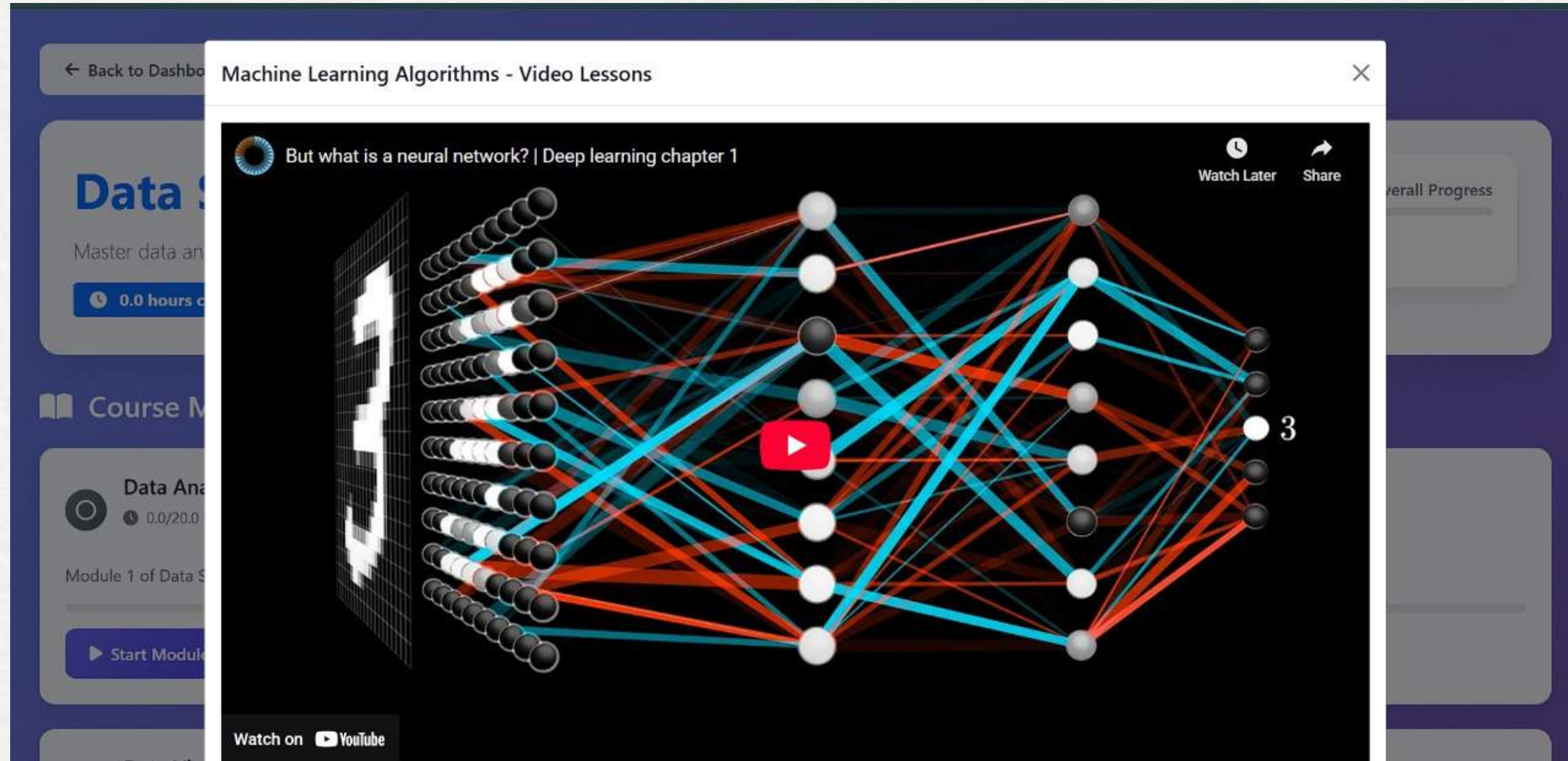
[▶ Start Module](#)[📄 Module Info](#)

Data Visualization

- 1.The course has just begun with no hours completed yet.
- 2.The first module focuses on data analysis with Pandas.
- 3.The overall course status is currently marked as in progress.



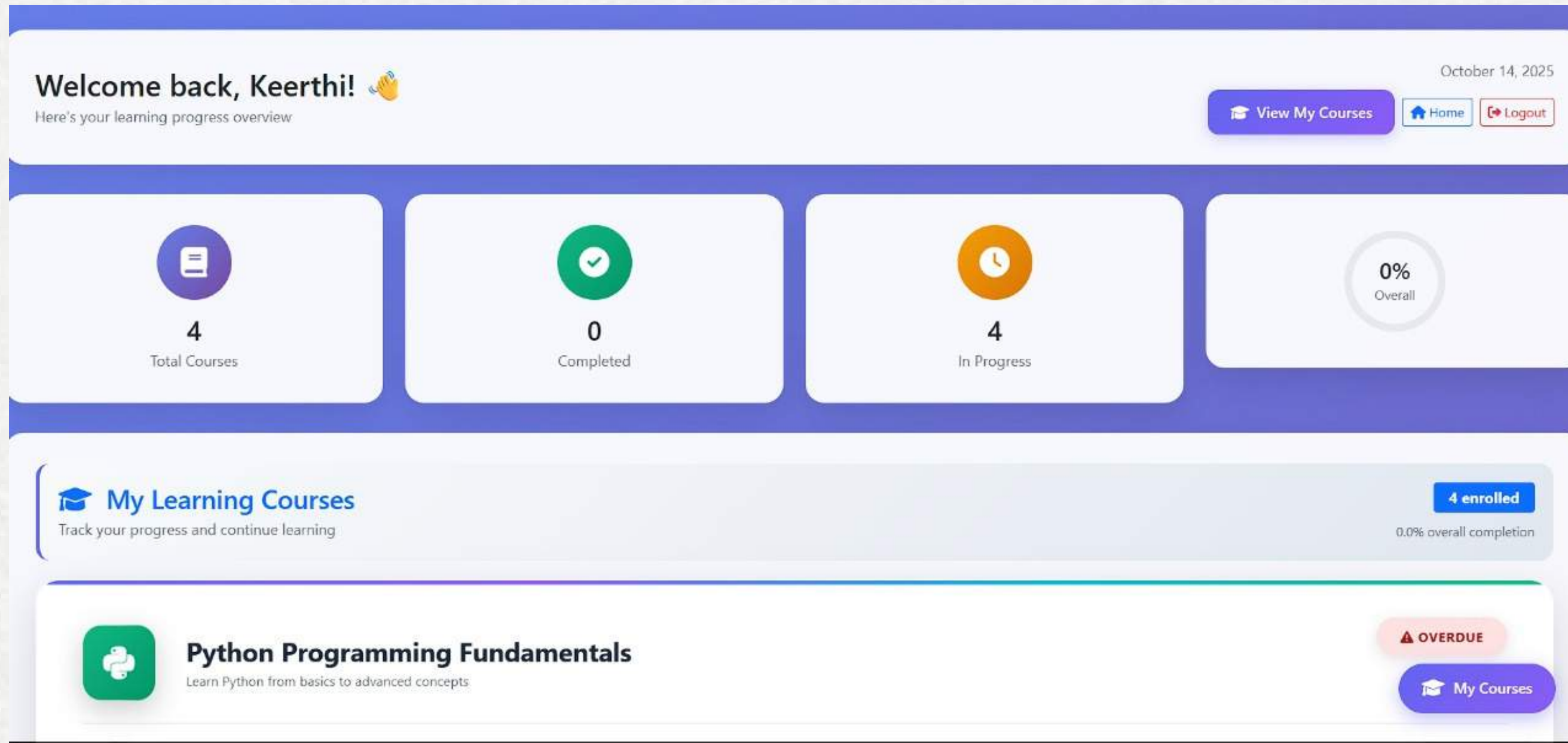
YouTube Video About the Course



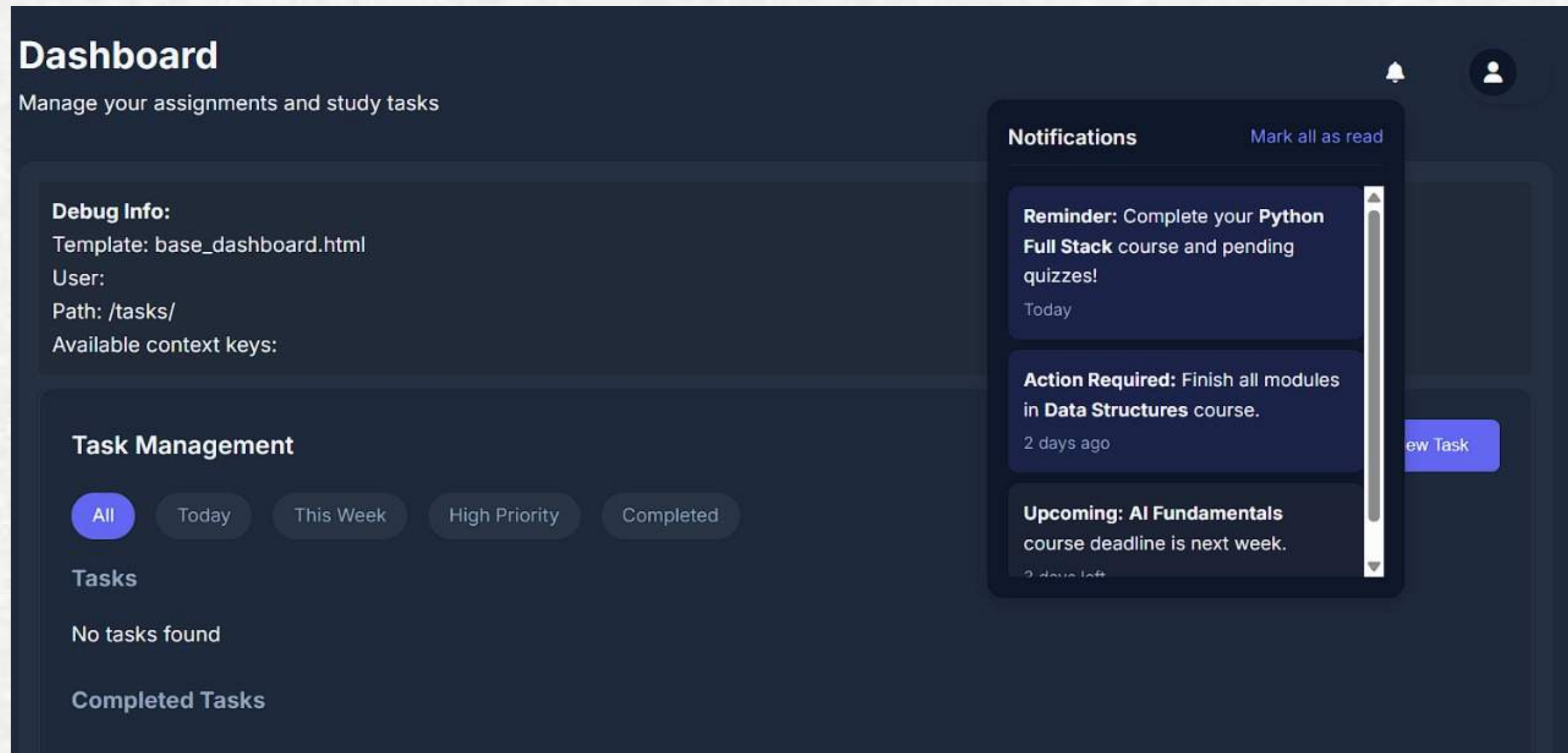
1. Relevant YouTube videos are integrated directly into the course modules.
2. Video content, such as neural network explanations, is available for online viewing.
3. Features like "Watch Later" allow you to save videos and manage your learning pace.



Candidates Learning Progress



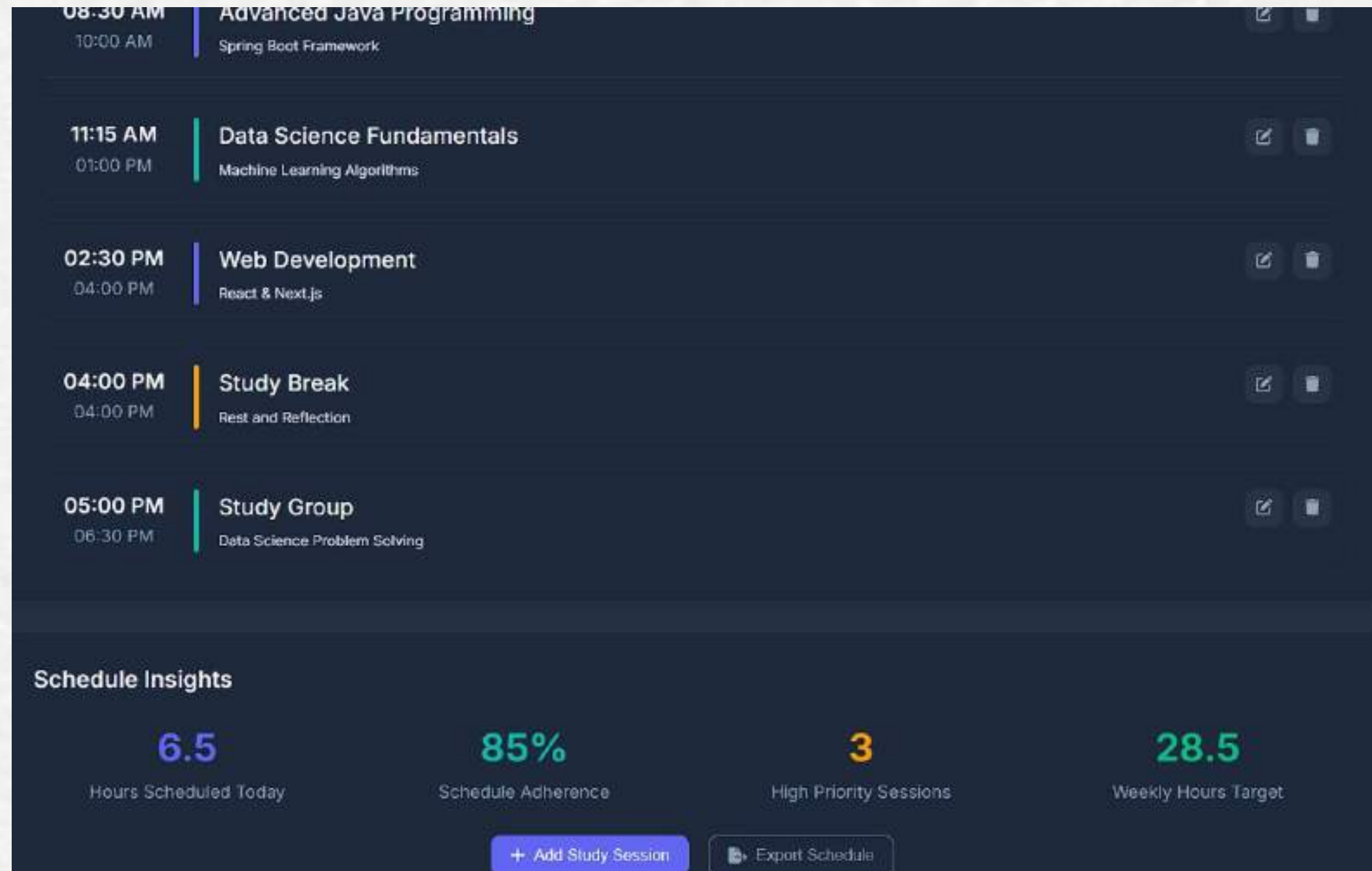
Smart Notification & Reminder System



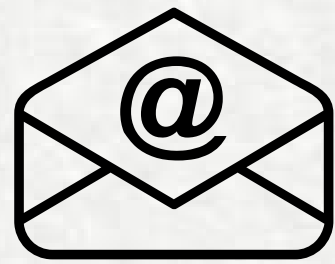
1. Send scheduled **notifications** to remind **users** to complete their ongoing courses.
2. Notify users automatically when a new quiz is added, encouraging them to take the test.



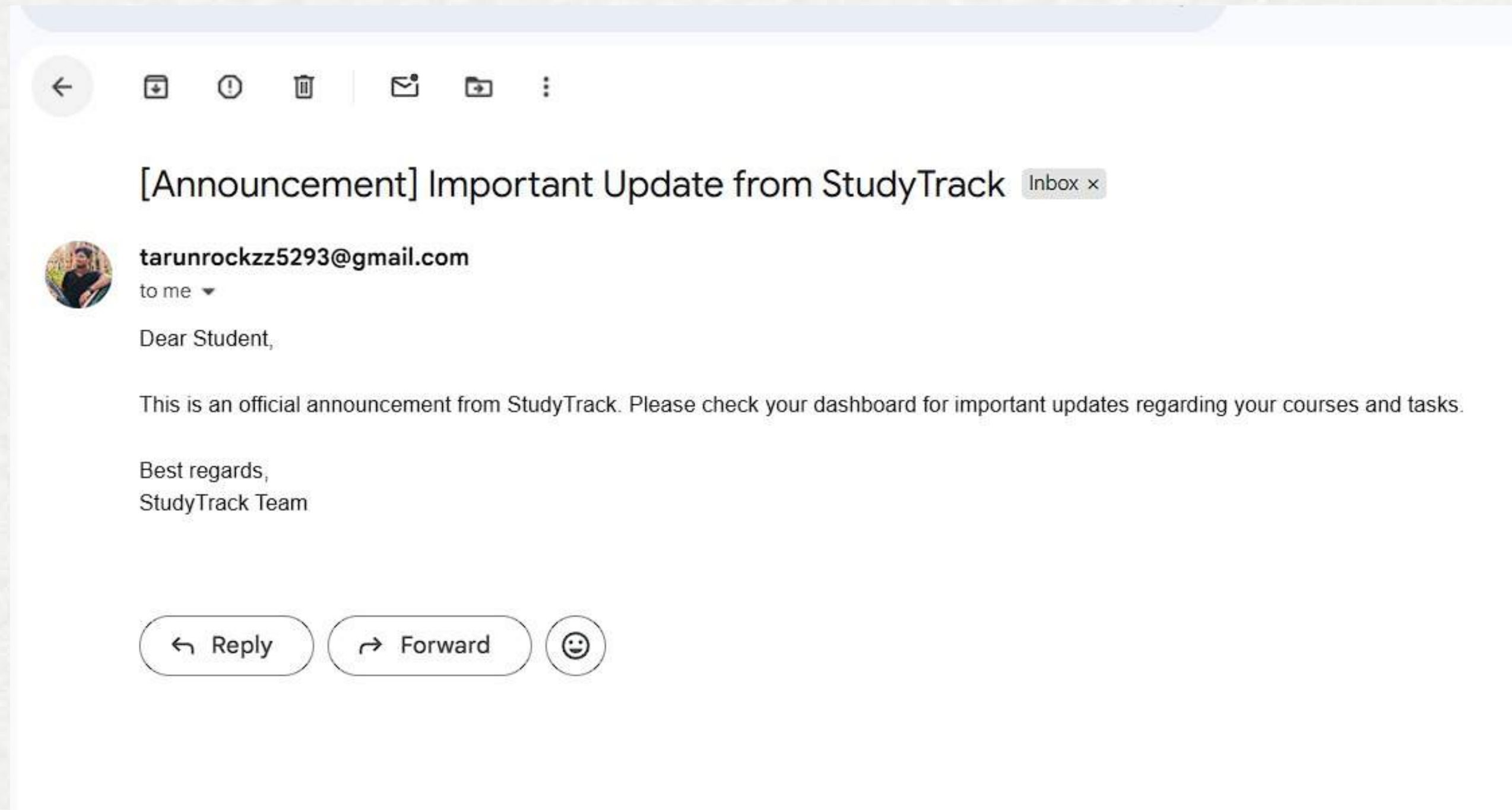
Quiz Reminder Notification



1. **Alerts** users about pending quizzes in enrolled courses.
2. **Offers action choices** — Take Quiz immediately or Maybe Later to postpone.
3. It displays reminders directly on the user dashboard.



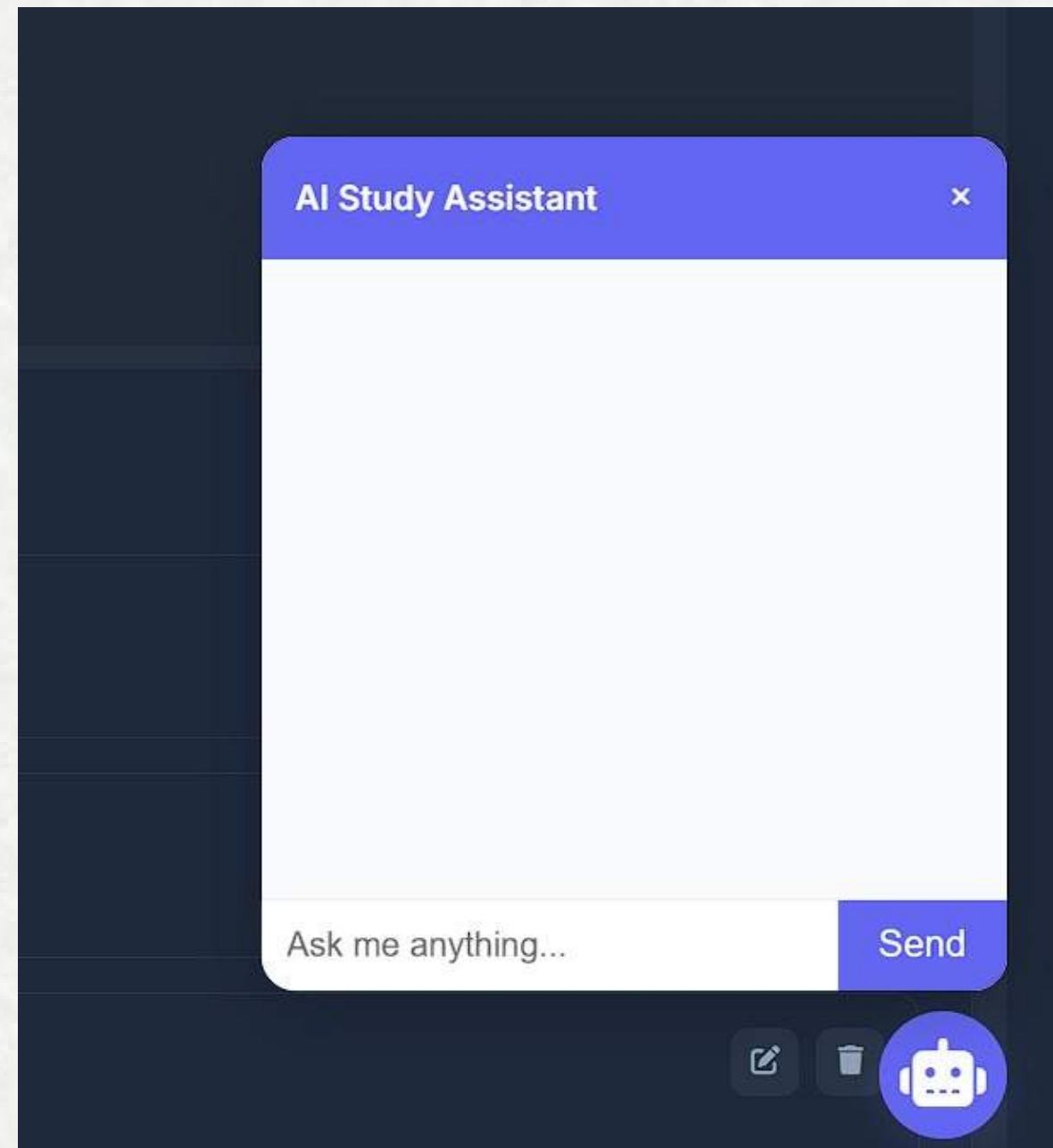
StudyTrack Notification Email



1. Official announcement sent directly to your registered email.
2. Instructs students to check their dashboard for crucial updates.



AI Smart-Assist Reminder



- 1.Helps users manage their studies by setting reminders for daily study sessions and upcoming quizzes.
- 2.Notifies about important assignment deadlines for enrolled courses.

Conclusion

The Study Habit Recommendation System **improves learning by analyzing student behavior** and giving personalized study suggestions.

It helps **students build better study routines** through smart notifications, progress tracking, and **AI-based recommendations**, while administrators can easily manage and update data for improved performance.



Team members

ANNAPANENI KEERTHI-FRONTEND

BALUSU LAHARI VENKATA LAVANYA-
BACKEND

PURNA CHAITANYA VARDHINEEDI-
BACKEND,AI INTEGRATION



The background features a repeating pattern of stylized, light beige floral motifs. Each motif consists of a central stem with several rounded, leaf-like shapes branching out, creating a delicate and elegant design.

*Thank
You*