

- Team -3

Study Track AI

Student Study Habit Recommender



Introduction

- Intelligent web platform that recommends personalized study habits to students.
- Uses machine-learning models to analyze study time, quiz performance, and attention span.
- Secure user management built first to ensure reliable access and data protection.
- Provides a simple, user-friendly interface for both students and administrators.

Project Overview

Student Features

- Create a new account with username, email, and password.
- Log in securely using encrypted credentials.
- Enter daily study logs (time, methods, distractions) for analysis.
- View personalized study recommendations (durations, breaks, techniques).
- Track weekly performance improvements on a dashboard.

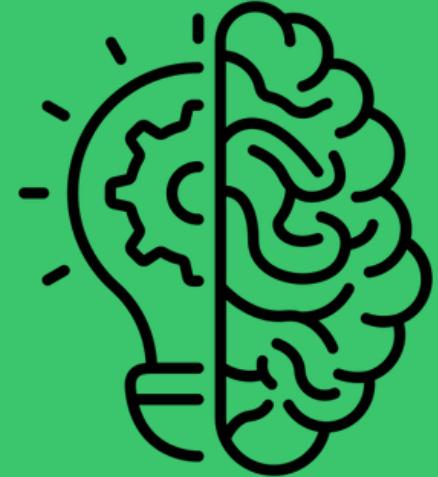


Admin Features

- Log in to manage student data and monitor system performance.
- Upload new behavioral datasets and retrain machine-learning models.
- Visualize behavior clusters—average session length, focus duration, and study method.
- Manage user accounts and maintain database integrity



Project Milestones



1

The system provides a Login, Register, and Home page, all connected to a MySQL database. User authentication is handled through password verification, and user credentials are securely stored in the database.

2

Implemented the Admin Dashboard to manage student course records and the Student Dashboard, featuring personalized progress tracking and AI-driven study recommendations.

3

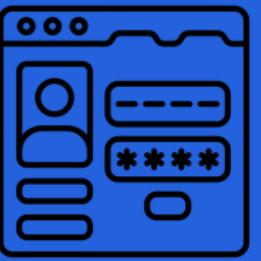
Enabled dynamic course visibility, allowing students to view newly added courses immediately after the admin adds them.

4

Implemented an automated alert system to notify students about pending tasks, upcoming deadlines, and course progress through real-time in-app and email notifications.

Milestone 1:

Register/Login



A screenshot of a web browser showing a "Create Account" form. The background is a wooden desk with various school supplies like pens, pencils, and a calculator. The form fields are: Username, Full Name, Email, Password, and Confirm Password. A "Register" button is at the bottom, and "Click to Login" link is below it.

Create Account

Username:

Full Name:

Email:

Password:

Confirm Password:

Register

Already have an Account?
[Click to Login](#)

A screenshot of a web browser showing a "Log-in" form. The background is the same wooden desk with school supplies. The form fields are: Username (with a placeholder "Vishal" and a "fingerprint" icon), "Other Passwords..." dropdown, and "Forgot Password?" link. A "Log In" button is at the bottom, and "Click to Register" link is below it.

Log-in

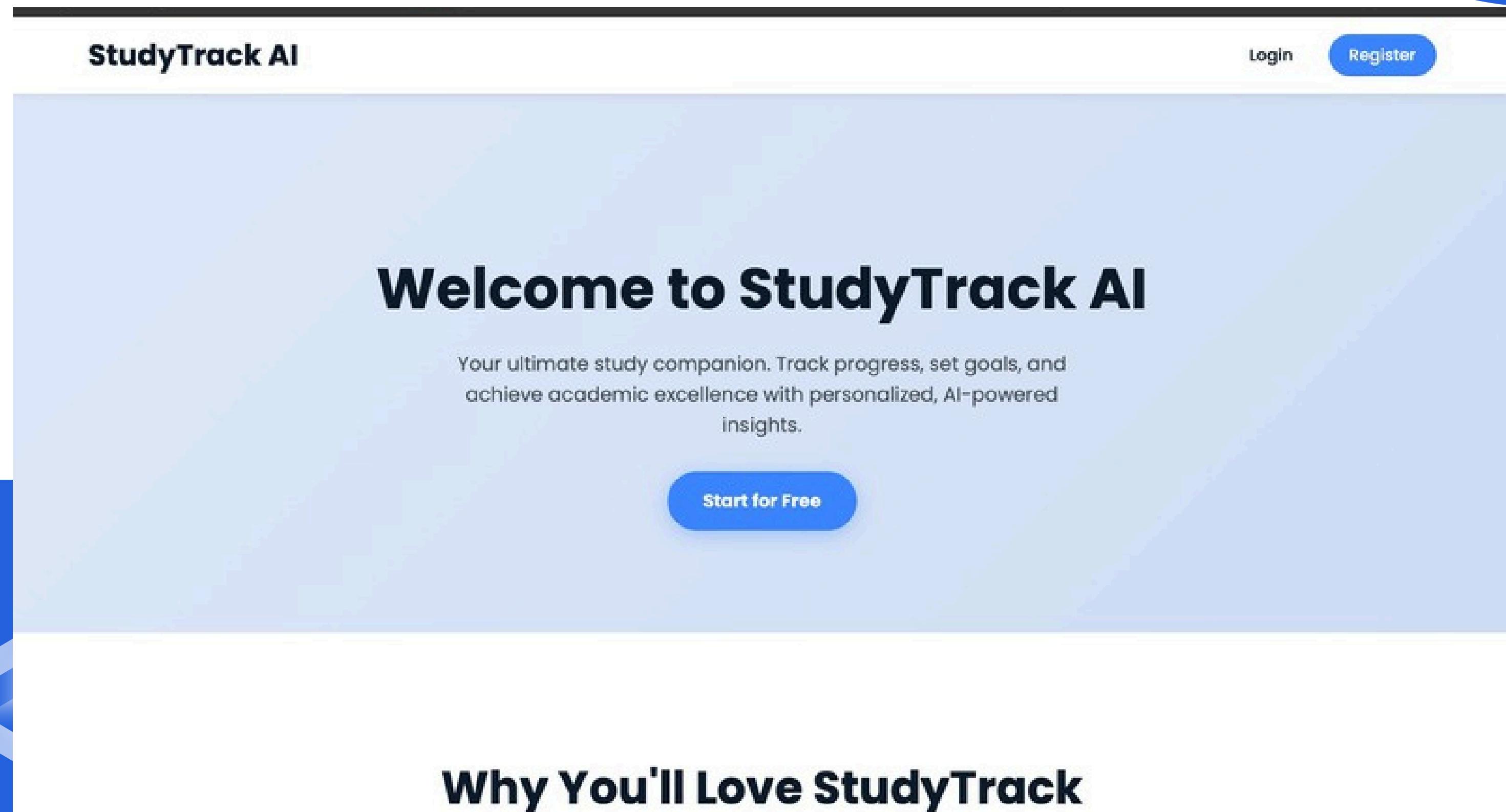
Username: Vishal

Other Passwords... [Forgot Password?](#)

Log In

Don't have an Account?
[Click to Register](#)

Home Page



The image shows a screenshot of the StudyTrack AI home page. At the top left is the logo "StudyTrack AI". At the top right are "Login" and "Register" buttons. The main title "Welcome to StudyTrack AI" is centered above a descriptive paragraph: "Your ultimate study companion. Track progress, set goals, and achieve academic excellence with personalized, AI-powered insights." Below this is a blue "Start for Free" button. At the bottom, the heading "Why You'll Love StudyTrack" is partially visible.

StudyTrack AI

Login Register

Welcome to StudyTrack AI

Your ultimate study companion. Track progress, set goals, and achieve academic excellence with personalized, AI-powered insights.

Start for Free

Why You'll Love StudyTrack

Milestone 2:

User Dashboard

Welcome back, Vishal!

Your AI Study Tip
Personalized just for you
Based on your recent quiz scores in 'python loops', I recommend reviewing 'python conditioning' for 30 minutes today. Try focusing on problems which solve basic problems. You've got this!

Upcoming Deadlines

- Python basics test Due in 2 days
- DSA Quiz Due in 4 days
- DSA Project Milestone 2 Due in 1 week

My Courses

COURSE NAME	COMPLETION %	STATUS	VIEW
Python	75%	In Progress	View
Introduction to AI	60%	In Progress	View
Data Structures & Algorithms	85%	In Progress	View

This Week's Study Goal
80% Complete
You're on track to study 8 out of 10 hours this week. Keep it up!
[Log a New Study Session](#)

[Dashboard](#) [My Courses](#) [Analytics](#) [Study Log](#) [Settings](#) [Logout](#)

Welcome back, Vishal!

My Courses

Currently Undergoing

COURSE NAME	START DATE	END DATE	HOURS SPENT	COMPLETION %	STATUS	VIEW
Python	Aug 25, 2025	-	32 hours	75%	In Progress	View
Introduction to AI	Aug 25, 2025	-	25 hours	60%	In Progress	View
Data Structures & Algorithms	Aug 25, 2025	-	40 hours	85%	In Progress	View

Completed Courses

COURSE NAME	START DATE	END DATE	HOURS SPENT	COMPLETION %	STATUS	VIEW
Introduction to Python	Jan 15, 2025	May 10, 2025 4 months ago	55 hours	100%	Completed	View

[Dashboard](#) [My Courses](#) [Analytics](#) [Study Log](#) [Settings](#) [Logout](#) [+ Add New Course](#)

Admin Panel

127.0.0.1

Manage access Infosys_StudyTrack AI based Student Study Habit Recomm... Join conversation Study Track AI - Admin Dashboard

Admin User AD

Admin Panel Student Course Management

All Course Records + New Student Course

Student Courses Analytics Logout

STUDENT NAME	COURSE NAME	START DATE	END DATE	HOURS SPENT	COMPLETION %	STATUS
Vish	Essentials of AI	Sep 09, 2025	Sep 30, 2025	67 hours	89%	In Progress
Vish	Python	Sep 01, 2025	Sep 22, 2025	100 hours	100%	Completed

127.0.0.1

Manage access Infosys_StudyTrack AI based Student Study Habit Recomm... Join conversation Study Track AI - Admin Dashboard

Admin User

Admin Panel Student Course Management

All Course Records + New Student Course

Student Courses Analytics Logout

Vish

Add New Student Course

Student Username: Praju Course Name: Introduction to Database

Start Date: 09/09/2025

Hours Spent: 59 Completion %: 95 Status: In Progress

Record saved successfully!

Close Cancel Save Record

DataBase

The screenshot displays two MySQL Workbench windows side-by-side.

Left Window: Shows the schema for the 'studytrack' database. The 'ui.userdetails' table is selected, displaying two rows of data:

ID	username	fullname	email	password	confirm_password
1	Praju_0911	Vishal Prajwal	vishalprajwal06@gmail.com	V@123	V@123
2	Vishal_0911	Vishal	vishalprajwal12@gmail.com	V@321	V@321

Right Window: Shows the schema for the 'studytrack' database. The 'ui_studentcourse' table is selected, displaying three rows of data:

ID	course_name	start_date	end_date	hours_spent	completion_percent	status	created_at	student_id
1	Python	2025-09-01	2025-09-22	100	100	Completed	2025-09-29 13:34:20.716971	1
2	Essentials of AI	2025-09-09	2025-09-30	67	89	In Progress	2025-09-29 13:51:25.209395	1
3	Introduction to Database	2025-09-09	2025-09-30	59	95	In Progress	2025-09-29 14:52:34.261304	3



Milestone 3

User Dashboard

Welcome back, Vishal!

My Courses

Currently Undergoing

COURSE NAME	START DATE	END DATE	HOURS SPENT	COMPLETION %	STATUS
Essentials of AI	Sep 09, 2025	Sep 30, 2025	67 hours	89%	In Progress

Completed Courses

COURSE NAME	START DATE	END DATE	HOURS SPENT	COMPLETION %	STATUS
Java	Sep 01, 2025	Sep 24, 2025	64 hours	100%	Completed
Python	Sep 01, 2025	Sep 22, 2025	100 hours	100%	Completed

[+ Add New Course](#)

[Logout](#)

StudyTrack AI

Dashboard

My Courses

Analytics

Study Log

Settings

Welcome back, Prajwal!

My Courses

Currently Undergoing

COURSE NAME	START DATE	END DATE	HOURS SPENT	COMPLETION %	STATUS
Introduction to Database	Sep 09, 2025	Sep 30, 2025	50 hours	95%	In Progress

Completed Courses

COURSE NAME	START DATE	END DATE	HOURS SPENT	COMPLETION %	STATUS
No completed courses yet.					

[+ Add New Course](#)

[Logout](#)

StudyTrack AI

Dashboard

My Courses

Analytics

Study Log

Settings

Admin Dashboard

Admin Panel

Student Course Management

Admin User AD

Student Courses

Analytics

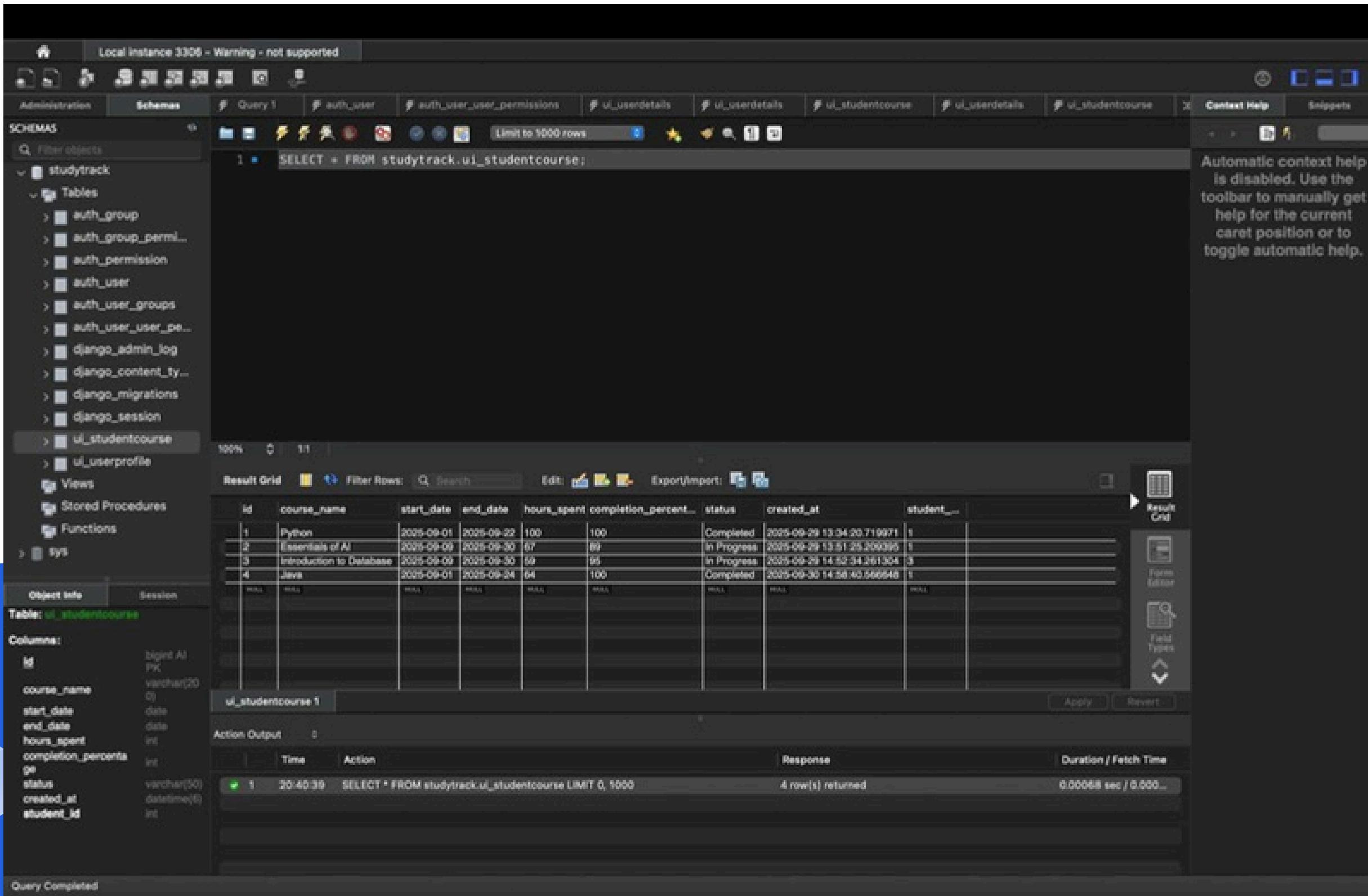
Logout

All Course Records

+ New Student Course

STUDENT NAME	COURSE NAME	START DATE	END DATE	HOURS SPENT	COMPLETION %	STATUS
Vish	Java	Sep 01, 2025	Sep 24, 2025	64 hours	100%	Completed
Praju	Introduction to Database	Sep 09, 2025	Sep 30, 2025	59 hours	95%	In Progress
Vish	Essentials of AI	Sep 09, 2025	Sep 30, 2025	67 hours	89%	In Progress
Vish	Python	Sep 01, 2025	Sep 22, 2025	100 hours	100%	Completed

Database



Milestone 4:

- Implemented an intelligent alert system to notify users about their pending quizzes, upcoming deadlines, and overall course progress.
- The system automatically sends personalized email reminders and in-app notifications to keep students engaged and on track.
- This feature ensures real-time monitoring of student activity and automated communication, enhancing user motivation and completion rates.
- The alerts are dynamically triggered based on course progress and deadlines, ensuring that each student receives updates relevant to their enrolled courses.
- The system's functionality is validated through both the dashboard interface, which reflects timely pop-ups, and the email records, confirming successful delivery of reminders to the intended recipients.

Mail Notifications

The image displays two side-by-side screenshots of a Gmail inbox interface, illustrating how notifications are presented.

Screenshot 1 (Left): Shows a single email from "nta.official.2022@gmail.com" titled "Reminder: Complete your mongoDB quiz!". The message body reads:

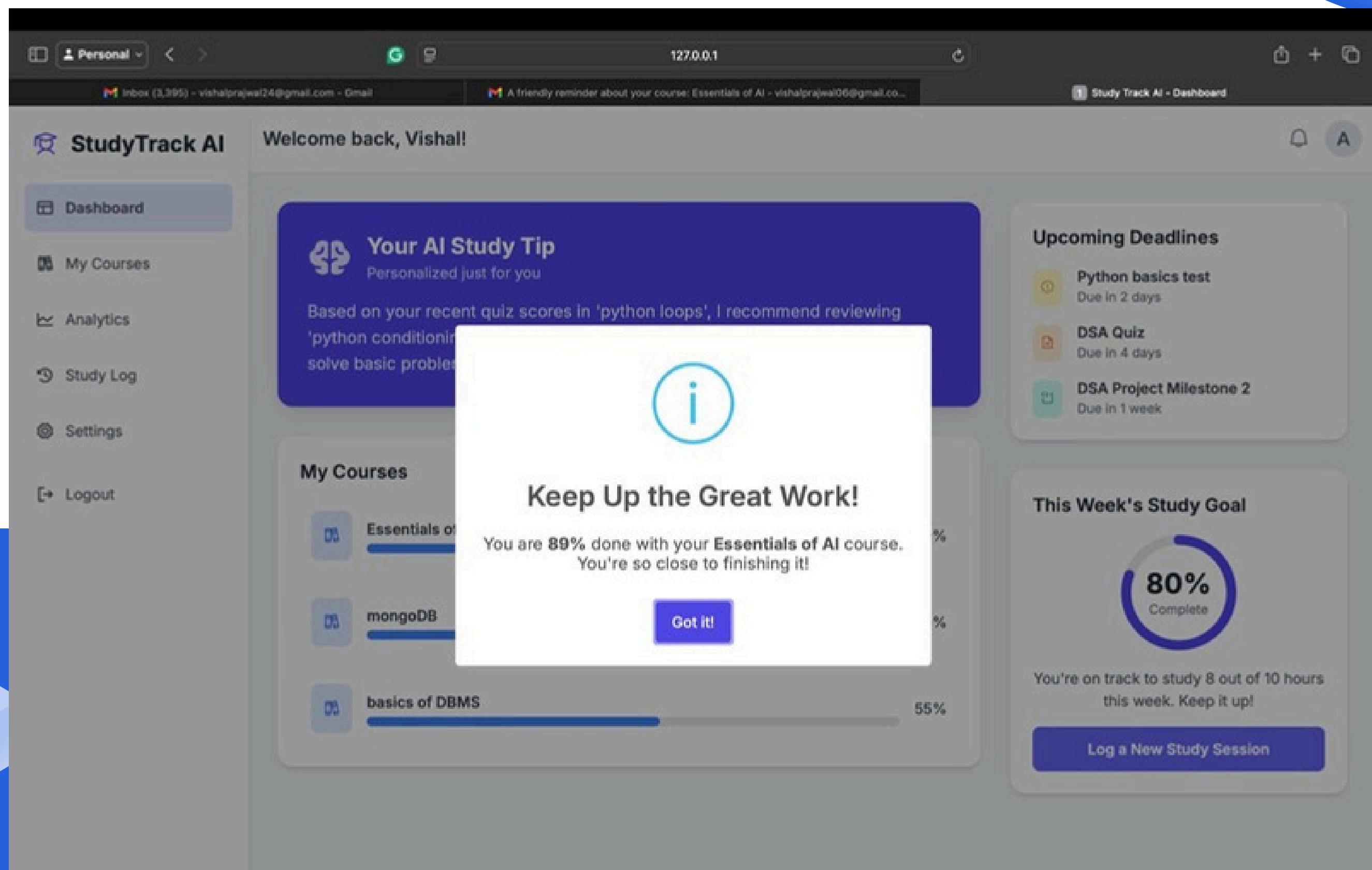
Hi Vishal,
This is a friendly reminder to attempt the Basic quiz for your course 'mongoDB'.
Keep up your learning momentum!

Screenshot 2 (Right): Shows three notifications from the same sender, all titled "A friendly reminder about your course: Essentials of AI". The first two notifications are identical to the one in Screenshot 1. The third notification is slightly different:

Just a friendly reminder to continue your great work on the 'Essentials of AI' course.
so close to the finish line. Keep up the momentum!

Both screenshots show standard Gmail controls like Reply, Forward, and a smiley face icon at the bottom.

In-App Notifications



Conclusion

In conclusion, the StudyTrack AI platform has been successfully developed into a smart and user-friendly learning management system. It includes secure login and registration, an admin dashboard for managing student data, and a student dashboard for tracking progress with AI-powered study tips. The system now supports real-time course visibility and automated reminders, keeping students informed about their tasks and deadlines. Overall, it ensures smooth management, timely communication, and an engaging learning experience.



TEAM MEMBERS

- ▶ VOJJA SATHVIKA
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THANK YOU

