
CAPSTONE PROJECT

SMART STUDY PLANNER

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OUTLINE

- **Problem Statement**
- **System Development Approach (Technology Used)**
- **Algorithm & Deployment (Step by Step Procedure)**
- **Result**
- **Conclusion**
- **Future Scope**
- **References**

PROBLEM STATEMENT

- Students often find it hard to structure their daily study routine, track multiple tasks, and sustain focus across subjects.
- Traditional study management lacks interactive reminders, personalized planning, and real-time analytics, resulting in missed deadlines and poor productivity.

SYSTEM APPROACH

■ System Development Approach :

- Designed as a single-page web application using modular HTML5, CSS3, and JavaScript.
- Separate modules for tasks, goals, materials, exams, analytics, and a built-in study timer.
- User-friendly interface with responsive layouts for desktop/mobile access

■ Technology Used :

- HTML5 for robust webpage structure and modal forms.
- CSS3 for theme customization (light/dark), responsive grids, and modern UI components.
- JavaScript for dynamism: CRUD operations, reminders, analytics, gamification, and persistent local storage.

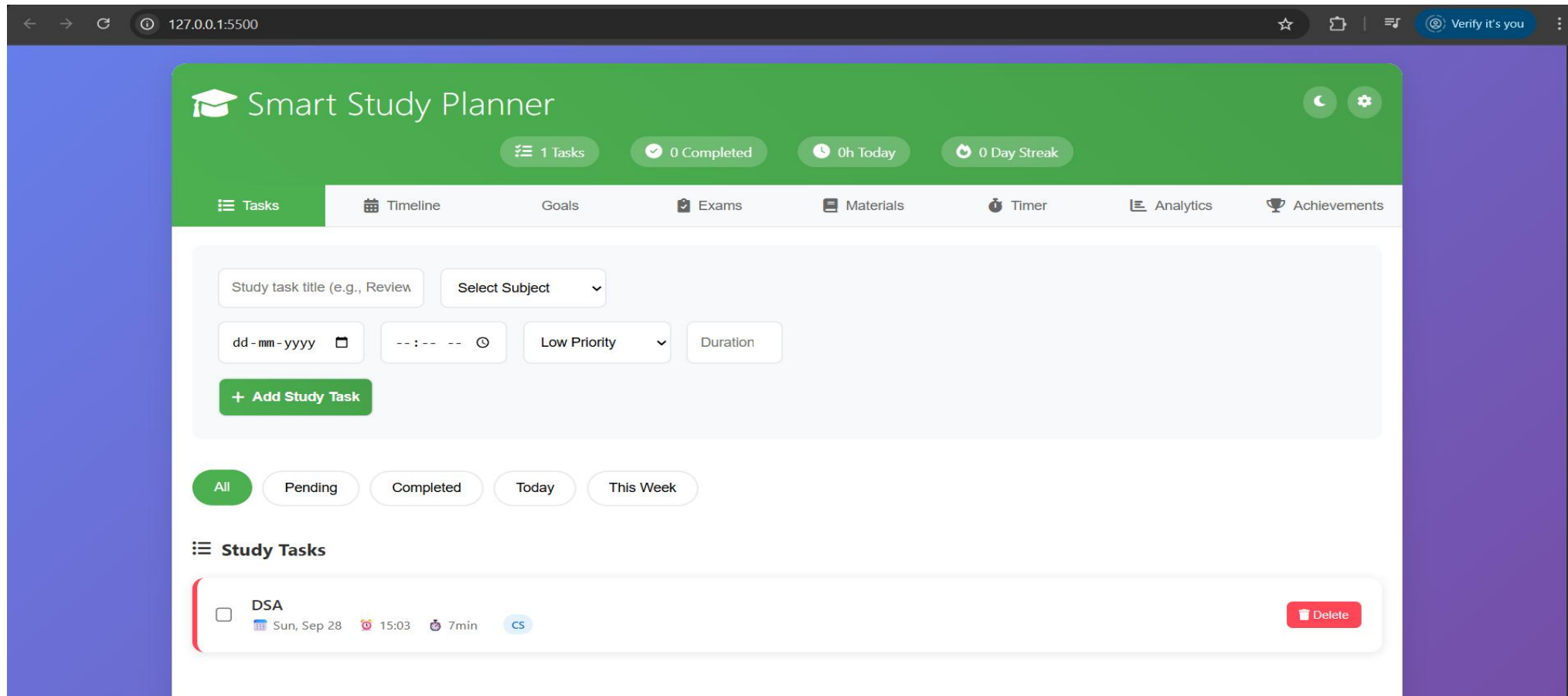
ALGORITHM & DEPLOYMENT

- Algorithm/Deployment & Step-by-Step Procedure :

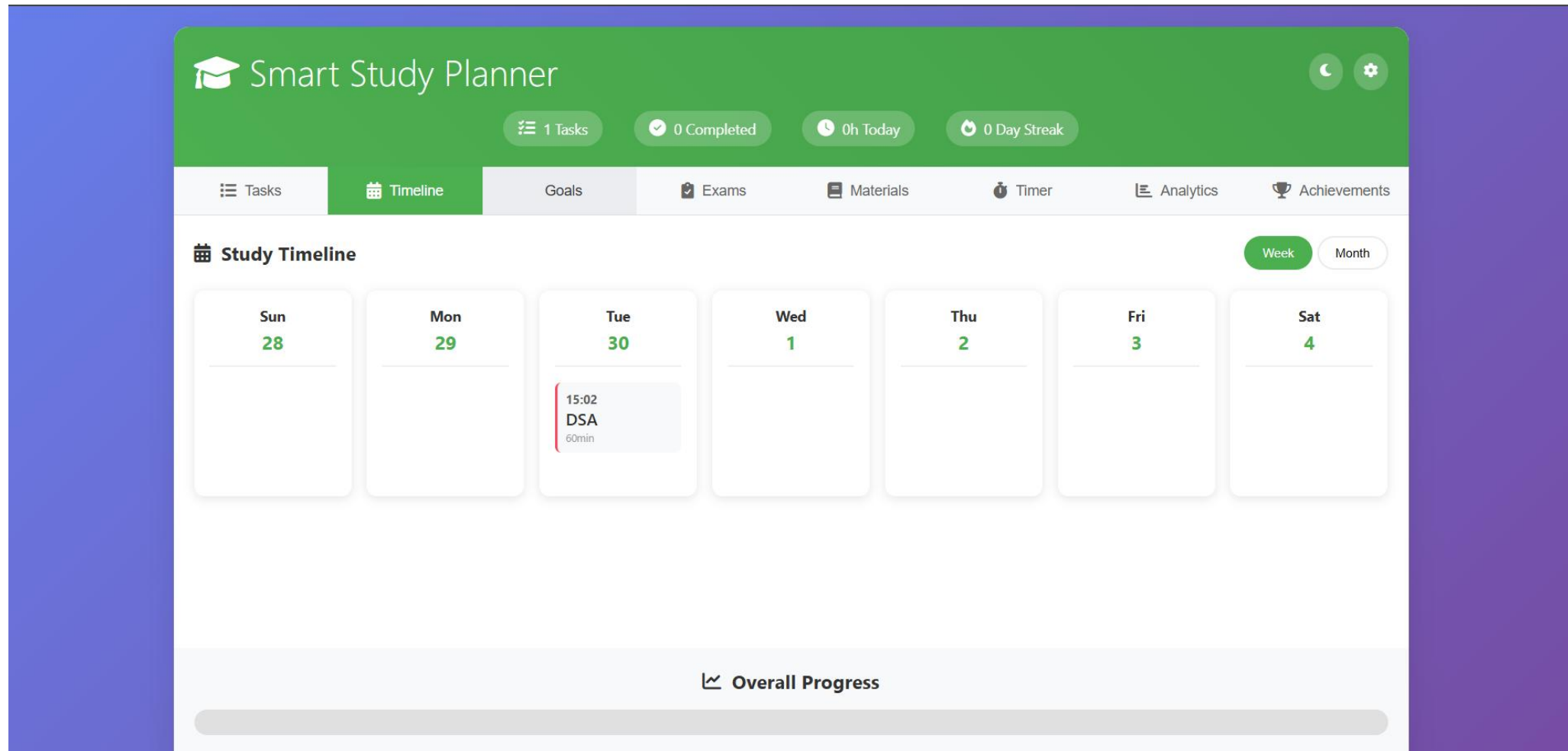
- Tasks, goals, exams, and materials are added through interactive forms.
- Study reminders and notifications are auto-triggered before deadlines.
- Timeline and calendar views provide weekly/monthly progress insight.
- Real-time analytics show streaks, accomplishment rates, subject distribution, and study hours.
- Gamification mechanisms trigger achievement badges for user motivation.
- Fully client-side deployment—no back-end needed; hosted on GitHub Pages

RESULT

- The platform allows students to schedule study plans, set alerts, and track day-to-day progress efficiently.
- Enhanced productivity through regular reminders, visual timelines, and analytics dashboards.
- Achievement badges improve motivation and help users maintain consistency.



RESULT SNAPSHOT : TIMELINE PAGE



RESULT SNAPSHOT : GOALS PAGE

Smart Study Planner

1 Tasks | 0 Completed | 0h Today | 0 Day Streak

Tasks | Timeline | **Goals** | Exams | Materials | Timer | Analytics | Achievements

Study Goals

+ Add Goal

DSA

CS

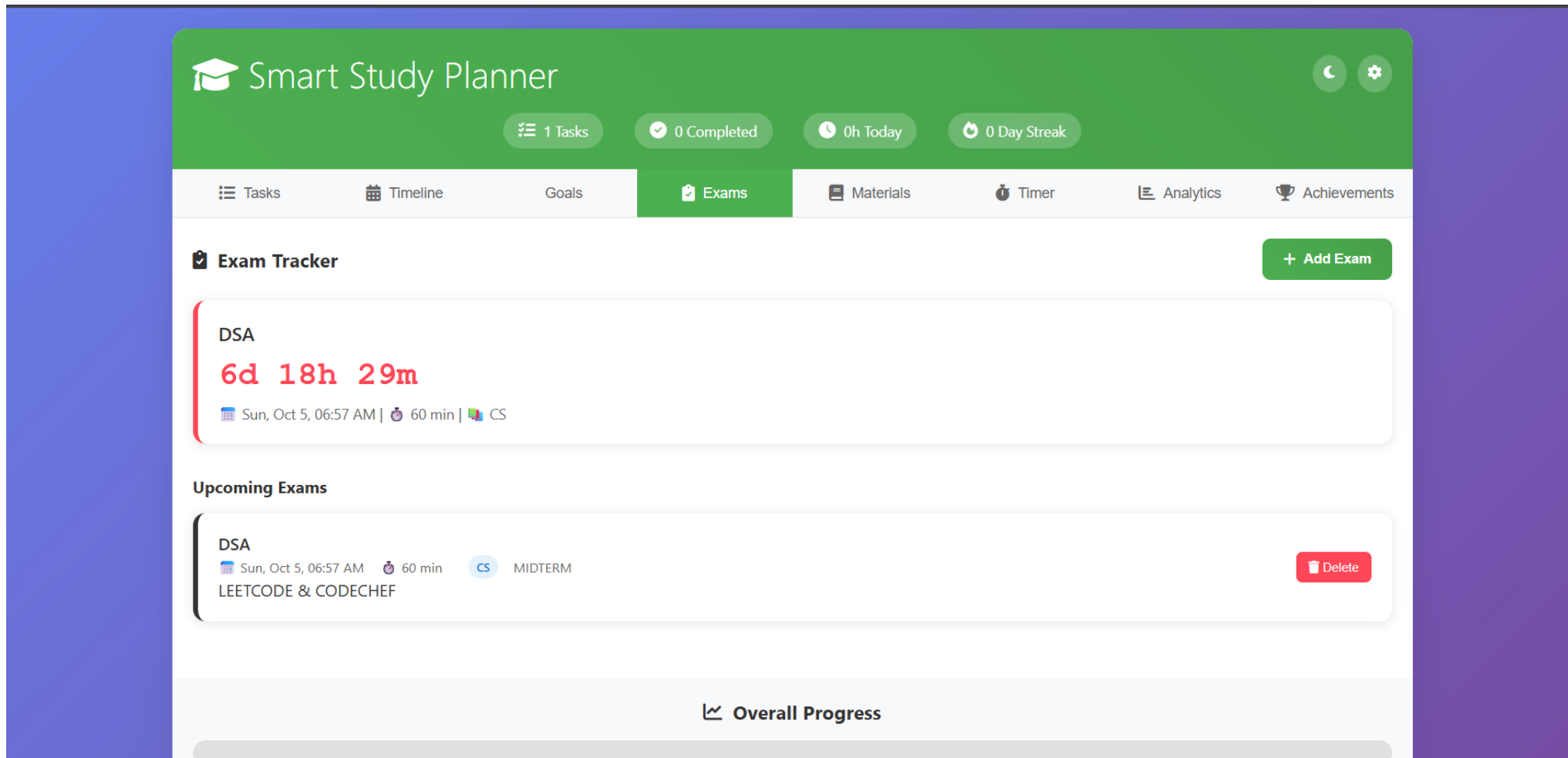
Deadline: Sun, Oct 5

LEETCODE & CODECHEF

0% Complete

Overall Progress

RESULT SNAPSHOT : EXAMS PAGE



The screenshot displays the 'Smart Study Planner' application interface, specifically the 'Exams' section. The top green header bar contains the app name, a moon icon for theme toggling, and a gear icon for settings. Below the header, a row of four green buttons shows '1 Tasks', '0 Completed', '0h Today', and '0 Day Streak'. A horizontal navigation bar below this contains icons and labels for 'Tasks', 'Timeline', 'Goals', 'Exams' (which is highlighted in green), 'Materials', 'Timer', 'Analytics', and 'Achievements'. The main content area is titled 'Exam Tracker' and includes a '+ Add Exam' button. It features a card for a 'DSA' exam with a large red timer showing '6d 18h 29m' and a subtitle 'Sun, Oct 5, 06:57 AM | 60 min | CS'. Below this is an 'Upcoming Exams' section with a card for the same 'DSA' exam, including the subtitle 'Sun, Oct 5, 06:57 AM | 60 min | CS MIDTERM' and a 'Delete' button. At the bottom, there is a section for 'Overall Progress' with a line graph icon.

Smart Study Planner

1 Tasks 0 Completed 0h Today 0 Day Streak

Tasks Timeline Goals Exams Materials Timer Analytics Achievements

Exam Tracker + Add Exam

DSA
6d 18h 29m
Sun, Oct 5, 06:57 AM | 60 min | CS

Upcoming Exams

DSA
Sun, Oct 5, 06:57 AM | 60 min | CS MIDTERM
LEETCODE & CODECHEF Delete

Overall Progress

RESULT SNAPSHOT : MATERIALS PAGE

Smart Study Planner

1 Tasks 0 Completed 0h Today 0 Day Streak

Tasks Timeline Goals Exams **Materials** Timer Analytics Achievements

Study Materials + Add Material

DSA

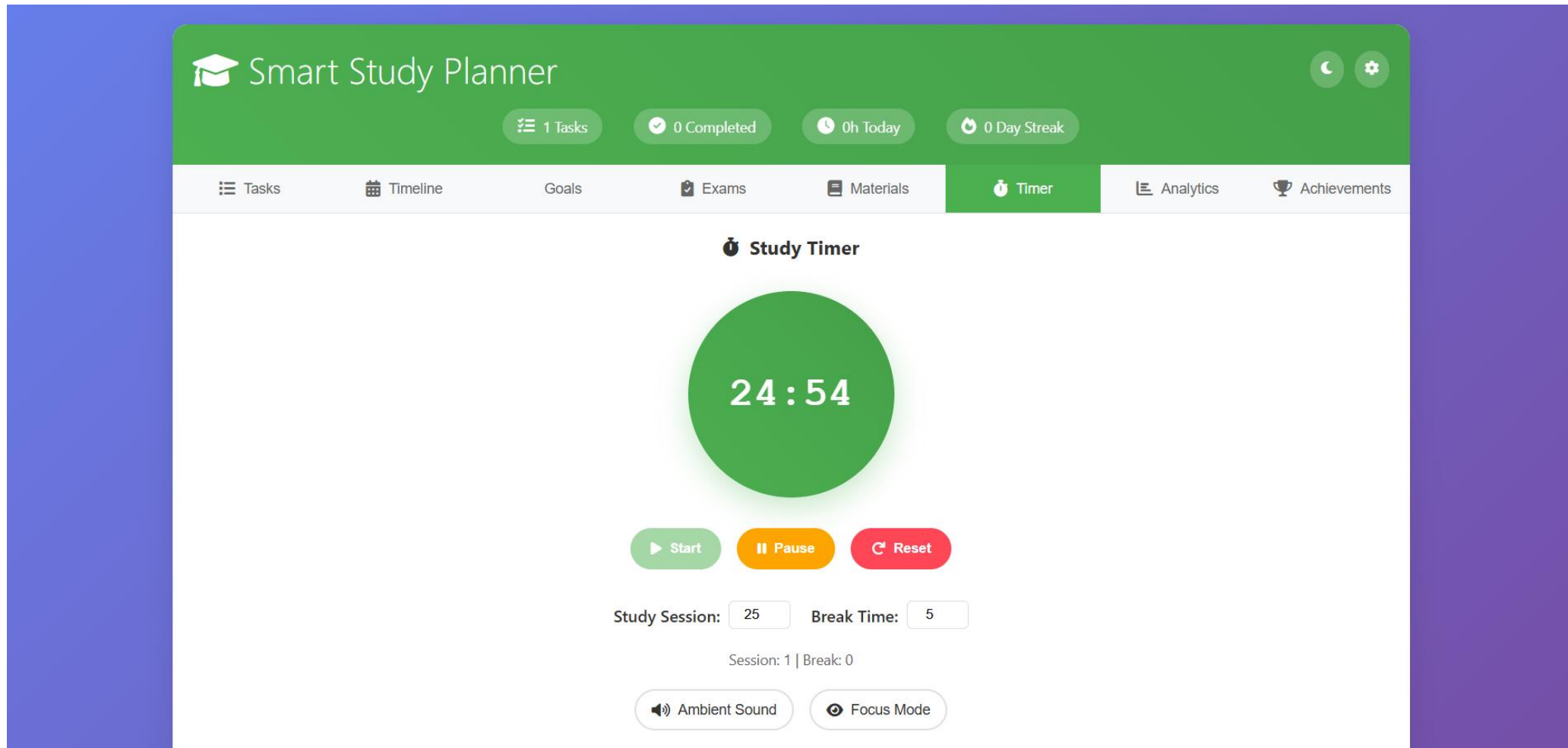
PRACTICE CS

LEETCODE & CODECHEF

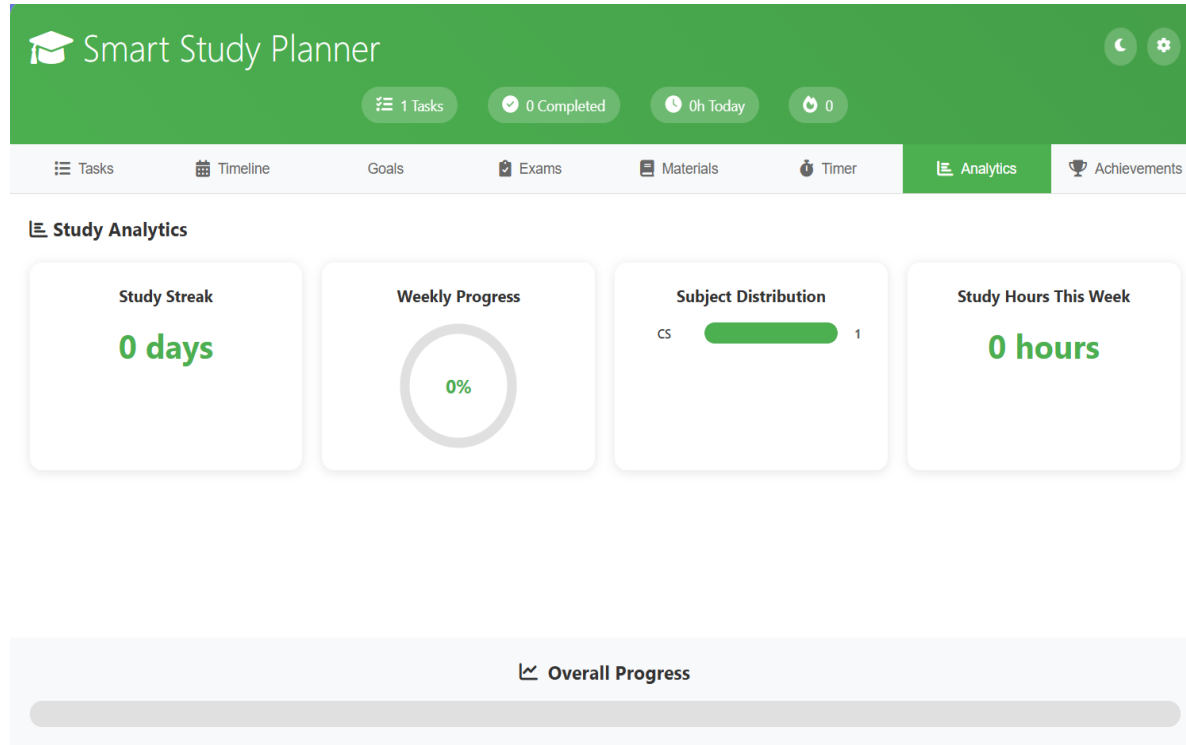
View Delete

Overall Progress

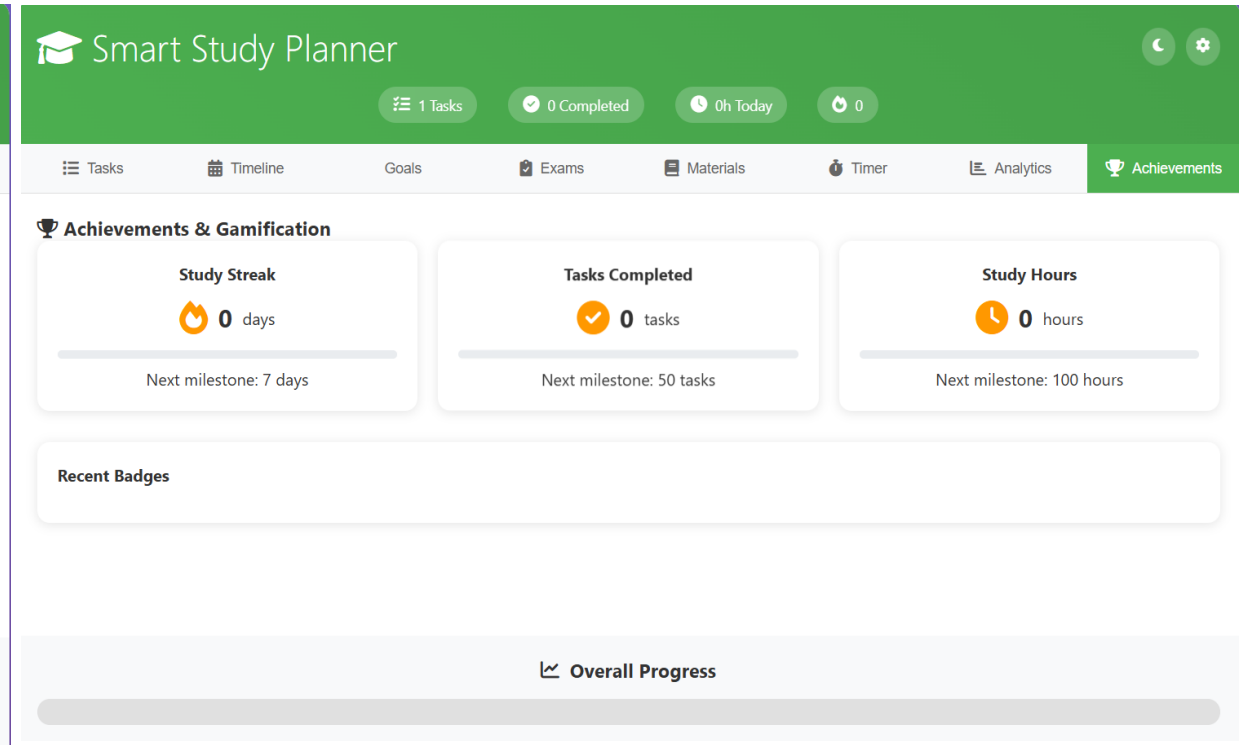
RESULT SNAPSHOT : TIMER PAGE



RESULT SNAPSHOT : ANALYTICS PAGE



ACHIEVEMENTS PAGE



RESULT SNAPSHOT IN DARK MODE

SETTINGS PAGE

Smart Study Planner

0 Tasks

0 Completed

0h Today

0

Tasks

Timeline

Goals

Exams

Materials

Timer

Analytics

Achievements

Study task title (e.g., Review)

Select Subject

dd-mm-yyyy

--:-- --

Low Priority

Duration

+ Add Study Task

All

Pending

Completed

Today

This Week

Study Tasks

No tasks found. Add some study tasks to get started!

Settings

Notifications

- ☒ Enable notifications
- ☒ Enable sound effects
- ☒ Enable study reminders

Timer Settings

Default study session: minutes

Default break time: minutes

Data Management

[Export Data](#)[Import Data](#)[Clear All Data](#)

GITHUB AND DEPLOYMNET LINK

- Attach your Github Link : <https://github.com/vijayasri-manda/Smart-Study-Planner>
- Deployment link: <https://vijayasri-manda.github.io/Smart-Study-Planner/>
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CONCLUSION

- The Smart Study Planner gives students control over their study habits, helping them stay organized, productive, and motivated.
- All tasks, goals, analytics, and gamification are unified in a secure, responsive platform.

FUTURE SCOPE(OPTIONAL)

- Integrate cloud-based sync for multi-device usage.
- Add collaborative features for group study and real-time interaction.
- Implement AI-based study recommendations and smart scheduling improvements.

REFERENCES

- Font Awesome, HTML5, CSS3, JavaScript documentation
- Students often face challenges in organizing study schedules and tracking academic tasks. This planner helps users create, view, and manage study goals with reminders and visual timelines. The goal is to boost productivity and time management. Tasks and progress can be saved locally.
- [NanthiniMoha/TNSDC-FWD-DIGITAL_PORTFOLIO](#)
- Github, Github Pages documentation



THANK YOU