Abhijit Sahu

Software Developer

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GITHUB | LINKEDIN

EDUCATION

GANDHI INSTITUTE FOR TECHNOLOGICAL ADVANCEMENT

COMPUTER SCIENCE AND ENGINEERING IN BACHELOR OF TECHNOLOGY   Bhubneswar, Odisha, INDIA

SKILLS

PROGRAMMING LANGUAGES	C, Java, Python, JavaScript (ES6)
WEB TECHNOLOGIES	HTML5, CSS3
LIBRARIES/FRAMEWORKS	Bootstrap
TOOLS / PLATFORMS	Git, GitHub, VS Code

PROJECTS / OPEN-SOURCE

TASKFLOW TASK & WORKFLOW MANAGEMENT SYSTEM | LINK   HTML, CSS, JavaScript

- Architected a **single-page application (SPA)** using **vanilla JavaScript (ES6)** with a modular, component-driven structure for maintainability and scalability.
- Implemented **multiple task rendering strategies** (List, Kanban, Calendar, Timeline) with efficient state updates, filtering, sorting, and full-text search.
- Designed a **client-side data model** supporting priorities, subtasks, task dependencies, recurring schedules, tagging, and project-based grouping.
- Built **productivity analytics and automation logic**, including overdue detection, completion metrics, and next-task recommendation heuristics.
- Engineered **persistent state management** using browser **LocalStorage**, with responsive UI behavior and runtime theme switching.

ACADIFY AI INTELLIGENT ACADEMICS OPTIMIZATION SYSTEM | LINK   HTML, CSS, JavaScript

- Designed and developed a **rule-based scheduling and optimization system** to automate academic timetable generation while minimizing conflicts and manual effort.
- Modeled **core academic entities** including courses, faculty, classrooms, time slots, and constraints to ensure valid and balanced timetable outputs.
- Implemented **conflict detection and resolution logic** to handle faculty availability, overlapping sessions, workload limits, and resource constraints.
- Built **analytics and management features** to track faculty load distribution, room utilization, and schedule efficiency.
- Focused on **scalable system design** to support institutions of varying sizes, with centralized data handling and configurable scheduling rules.

PERSONAL PORTFOLIO WEBSITE | LINK   HTML, CSS, JavaScript

- Designed and built a **performance-optimized, responsive portfolio website** using **HTML, CSS, and JavaScript** to showcase projects and technical skills.
- Implemented **SEO best practices** including semantic HTML, canonical URLs, optimized assets, and structured page hierarchy.
- Focused on **clean UI architecture and accessibility**, ensuring consistent layout, responsive behavior, and cross-device compatibility.
- Integrated **project case studies and live demos** to clearly communicate problem statements, solutions, and technical decisions.

- Optimized for **fast load times and maintainability** , emphasizing lightweight assets and minimal client-side overhead.

CERTIFICATIONS

- HTML, CSS, and JavaScript: Building the Web - LINKEDIN LEARNING
- Learning the JavaScript Language - LINKEDIN LEARNING
- JavaScript Essential Training - LINKEDIN LEARNING
- Python Bootcamp - UDEMY
- Postman API Fundamentals Student Expert - POSTMAN API