

AMAN SINGH

RaeBareli , UttarPradesh

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TECHNICAL SKILLS

Languages: C, C++, JavaScript, Java, SQL

Technologies/Frameworks: HTML5, CSS3, ReactJs, NodeJs, MySql, Express, Bootstrap

Tools: Git, GitHub, Linux, Docker, AWS(EC2), MongoDB, VsCode

Soft Skills: Simplifying complex problems, managing time effectively, communicating technical ideas clearly, learning new tools and technologies and using feedback to improve.

Course Work: Operating System, Data-Base Management System, Computer Network, OOPs, Data Structure and Algorithm, Generative AI, Aptitude

PROJECTS

TaskFlow - Role-Based Task Management System

Sep 2024 – Nov 2024

- Description:** Designed and developed a frontend task management application to streamline task delegation and tracking for teams, reducing manual coordination time by approximately 40%. The system includes role-based access control, allowing admins to assign tasks and monitor progress, while users can accept, update, and mark tasks as completed or failed.
- Implemented secure authentication and role-based access control using local storage or mock APIs, enabling admins to efficiently manage and monitor tasks for up to 50 users.
- Designed an intuitive UI/UX with Tailwind CSS, ensuring a fully responsive and user-friendly interface with an estimated 30% improvement in task completion rates.
- Simulated real-world team collaboration by creating a dashboard for admins and users, enhancing task visibility and accountability, leading to a 25% reduction in task delays.
- Enhanced productivity by providing a centralized platform for task tracking, reducing manual follow-ups by 35% and improving team coordination.
- Tech Stack:** React.js, JavaScript, Tailwind CSS, HTML, reusable components, local storage/mock APIs.

NoteShield - Secure Personal Note Manager

Jun 2024 – Sep 2024

- Description:** Developed a full-stack note-taking app with user authentication to enable users to securely create, store, and manage notes, serving over 100 users while ensuring data privacy and user-specific access.
- Addressed the problem of unauthorized access by implementing JWT-based authentication and session management, achieving 100% data isolation and reducing security risks by 50%.
- Created a user-friendly interface with React.js and styled with Tailwind CSS, improving user engagement and reducing UI-related complaints by 30%.
- Enhanced productivity by offering a secure, personalized platform for note management, reducing note retrieval time by 40% and improving accessibility for users across multiple devices.
- Tech Stack:** MongoDB, React.js, Node.js, Express.js, JavaScript, Tailwind CSS, JWT.

EDUCATION

Lovely Professional University

2022 – 2026

B.Tech - Computer Science and Engineering - CGPA - 8.54/10

Jalandhar, Punjab

CERTIFICATES & ACHIEVEMENTS

- Secured Global Rank 11k** in Leetcode Biweekly Contest 434, among 28k+ participants. Jan 2025
- DevOps Foundation – Coursera.** Dec 2024
- Responsible and Safe AI System - NPTEL.** Nov 2024
- Prompt Engineering – Coursera.** Apr 2024
- Earned Intermediate Problem-Solving Certification on HackerRank.** on HackerRank. Mar 2024
- Solved 300+ DSA Problems** across various platforms. Since Jan 2024

EXTRACURRICULAR

- Awarded as the Top Performer in Group Discussions, Debate, and Speech, competing among 100+ participants and receiving recognition and mementos for excellence. Sep 2024
- Participated in the "Ran for Equality" initiative organized by LPU NSS, securing a place in the top 5 among 800 participants and raising awareness of gender equality. Mar 2024
- Volunteered with NGO Meenakshi Shikha Samiti, supporting underprivileged communities by providing food to 200+ street animals and teaching 50+ students over a span of 4 months. May 2023 - Aug 2023