

Tanya Yadav

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SKILLS

- **Languages:** Java, JavaScript, C, C++, PHP, Python
- **Frameworks:** HTML, CSS, NodeJS, ReactJS, Tailwind CSS, Bootstrap
- **Core CS:** Data Structures & Algorithms, Object-Oriented Programming, Operating Systems, DBMS, CN
- **Tools/Platforms:** MySQL, MongoDB, Git, Github, VsCode
- **Soft Skills:** Problem Solving, Teamwork, Communication, Time Management, Decision Making

PROJECTS

- **DocOn- A Doctor Appointment Booking WebApp |** [🔗](#) July 2025 - August 2025
 - Developed a consultation web application enabling patients to **book slots, view real-time availability**, and consult online through **integrated chat, voice, and video features** along with support for sharing medical reports.
 - Integrated **role-based authentication** for admin, doctor, receptionist, and users with secure **real-time Firestore data management**, ensuring access control while enabling **appointment scheduling and queue management**.
 - Optimized real time appointment scheduling, queue management, and online consultation features, including live status updates, automated waiting-room flow, doctor joining system, and end-consultation handling.
Tech Stacks: HTML5, JavaScript, React.js, Firebase
- **FarmerSupply- An E-commerce Platform |** [🔗](#) March 2025 - May 2025
 - Designed an intuitive, user-friendly web interface that **enables farmers to directly list, manage, and sell their produce online** without intermediaries, ensuring transparency and better pricing for both farmers and buyers.
 - Enhanced platform usability by implementing advanced search, **mobile-responsive layouts, and secure user authentication**, fully integrated with a MySQL database for reliable and efficient **data storage and retrieval**.
 - Utilized web technologies technologies to ensure platform speed, scalability, and responsiveness.
Tech Stacks: HTML5, JavaScript, PHP, MySQL
- **AI-driven Fleet Management System |** [🔗](#) March 2025 – April 2025
 - Developed an AI-driven fleet management web application enabling **real-time vehicle tracking, intelligent route optimization, and predictive maintenance** using XGBoost, improving reliability and decision-making.
 - Embedded **ASI Marine Traffic and OpenWeatherMap APIs** to display live traffic and weather data, supporting dynamic and safer routing decisions under changing real world conditions and operational constraints.
 - Enabled real time visualizations, predictive maintenance alerts, improved reliability and operational conditions.
Tech Stacks: HTML5, JavaScript, Django, XHBoost, ASI Marine Traffic API

TRAINING

- **Data Structures with CPP | Lovely Professional University |** [🔗](#) June 2025 - July 2025
Hospital Patient Management System
 - Applied linked-list data structures to design record handling with insertion, search, deletion, and display operations.
 - Strengthened understanding of **Object-Oriented Programming** by designing modular classes, constructors, and dynamic memory **handling across multiple source files** with clean, maintainable architecture.
 - Improved skills in error handling, menu-driven program design, and pointer-based data manipulation in C++.
Tech Stacks: CPP, OOP, Linked Lists, Pointers, Dynamic Memory Allocation

CERTIFICATES

- ChatGPT-4 Prompt Engineering: ChatGPT, Generative AI & LLM by Infosys | [🔗](#) August 2025 - September 2025
- Cloud Computing by Swayam, NPTEL | [🔗](#) January 2025 - April 2025
- Introduction to Hardware and Operating System by IBM, Coursera | [🔗](#) August 2024 - September 2024
- Participated in Web ka Hackathon by Lovely Professional University and achieved 5th position | [🔗](#) March 2024

ACHIEVEMENTS

- Solved 150+ LeetCode problems and achieved 1569 contest rating | [🔗](#) June 2025
- Earned a 5-star Java badge on HackerRank | [🔗](#) December 2024

EDUCATION

- **Lovely Professional University** Punjab, India
Bachelor of Technology - Computer Science and Engineering; CGPA: 8.21 August 2023 - Present
- **Rainbow School** Saharanpur, Uttar Pradesh
Intermediate; Percentage: 90.0% April 2021 - March 2022
- **Rainbow School** Saharanpur, Uttar Pradesh
Matriculation; Percentage: 94.4% April 2019 - March 2020