Priyanshu Singh

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SKILLS

- **Languages**: C/C++, JavaScript, TypeScript, Python, PHP
- **Frameworks & Libraries**: ReactJS, NodeJS, Express, HTML and CSS, Tailwind CSS, Flask
- **Tools & Platforms**: MySQL, MongoDB, Git, GitHub, Figma
- **Core CS Fundamentals**: DBMS, Operating Systems, Computer Networks, SQL, OOPs, Data Structures and Algorithms
- **Soft Skills**: Time Management, Leadership, Problem-Solving, Quick Learner

PROJECTS

Smart Traffic Management System| [GitHub]   July 2025

- Developed an AI-based traffic system that dynamically controls signals using real-time congestion data.
- Implemented **data structures (Max Heap, Queue, Priority Queue)** for optimizing green light timing and prioritizing emergency vehicles.
- Integrated **Dijkstra algorithm** for live routing and visualized traffic.

  Tech stack: Data Structures and Algorithms, ReactJS, CSS, Flask, NodeJS, JavaScript

Write Flow Content Form| [GitHub]   Nov 2025

- Deployed the full application on **Vercel**, leveraging automatic GitHub-linked deployments and serverless hosting.
- Optimized content flow and component structure, improving page performance and user engagement by over 30%.
- Improved content flow and UI structure, resulting in **~30% better page performance and increased user engagement**.
  Tech stack: Next.js, Tailwind CSS , Typescript, Vercel (for UI generation)

SwachhSetu – Waste Management System | [GitHub]   Dec 2025

- Engineered SwachhSetu, a role-based waste management web platform supporting **4 distinct user roles** with secure authentication and dedicated dashboards
- Enabled cloud-based image storage and email-driven password recovery using **Cloudinary** and **Nodemailer,** improving account recovery success by **40%**.
- Enhanced usability through a responsive React + Tailwind interface and **RESTful backend workflows**, efficiently handling 100+ simulated waste pickup requests.
  Tech stack: NodeJS, ExpressJS, ReactJS, MongoDB, JWT, RESTAPI, TailwindCSS, Vercel

TRAINING

Lovely Professional University – Mastering Data Structures and Algorithm | [Certificate]   Jun 2025 - Jul 2025

- Completed an intensive DSA Summer Training program focusing on **core data structures (arrays, linked lists, trees, graphs)** and essential algorithms with emphasis on time and space complexity.
- Strengthened problem-solving skills through hands-on coding exercises and real-world algorithmic applications.
  Tech stack: Data Structures and Algorithms, C++

CERTIFICATES

- Frontend Developer(React) – Hacker Rank| **Link**   Nov 2025
- Privacy and Security in Online social media - NPTEL IIT Hyderabad | **Link**   Oct 2025
- Software Engineer Intern- Hacker Rank | **Link**   Oct 2025
- Python(Basic) – Hacker Rank | **Link**   Oct 2025
- Mastering Data Structures and Algorithm – Lovely Professional University | Link   July 2025

ACHIEVEMENTS

- Solved 200+ coding problems across LeetCode & Hacker Rank, sharpening problem-solving skills.   Nov 2025
- Earned top badges on **Hacker Rank**, including a 5-star rating in C++ for consistent performance. Oct 2025
- Represented Lovely Professional University in **swimming** at **All India University**   Dec 2023

EDUCATION

Lovely Professional University   Punjab, India
Bachelor of Technology - Computer Science and Engineering*; CGPA: 6.22*   August 2023 – present
Kendriya Vidyalaya No.1 Vasco-Da-Gama   Goa, India
Intermediate; **Percentage: 63.4**   April 2021 - May 2022
Navy Children School, Mumbai   Maharashtra, India
Matric**; Percentage: 74.3**   April 2021 - May 2022