

# Priyanka Hotkar

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## Summary

Software Engineering undergraduate with strong foundations in problem-solving and system design, experienced in building scalable, production-ready AI-driven and full-stack platforms with a focus on reliable, high-quality engineering.

## Education

**Walchand Institute of Technology**  
*B.Tech in Computer Science*

*Nov 2022 – June 2026*  
GPA: 9.65/10.0

## Experience

### Full Stack Development Intern

*Remote*

*Jabsz Gaming Studios LLP, Gurgaon, Haryana, India - 122018*

*April 2025 – July 2025*

- Built a **scalable, deployment-ready gaming e-commerce platform** using React, TypeScript, Tailwind, and Firebase with real-time data and auth. Completed the **full agile dev cycle**: prototyping, testing, iteration, and live integration into the company's main site.
- Delivered an **end-to-end client project** using AppSheet for dynamic orders tracking and internal operations.

### AI/ML Intern

*Remote*

*Uptoskills Tech Foundation, Palam, New Delhi, India - 110077*

*Jan 2025 – April 2025*

- Engineered an AI-driven proctoring system with **Python, OpenCV, and JavaScript**, improving detection accuracy by 20%.

## Projects

**Unlimitly** [View deployed project](#) — MERN, Firebase, Jitsi Meet, Google Calender API

[Github repo](#)

- Designed a **user-focused mentorship platform** that empowered over **20 tech learners** through structured peer-to-peer mentorship.
- Architected a **modular service layer** to decouple third-party **API integrations** like Google Calendar and Jitsi Meet, increasing system reliability and protecting against external API changes.
- Delivered **10+ scalable features** including forums, **FAQs, roadmap-based learning (DSA, MERN, ML), badge tracking, GitHub onboarding**, and a curated dev resource hub enhancing **user engagement**.

**AI-Based Traffic light automation system** — Python, OpenCV, YOLO, ESP32

[Github repo](#)

- Improved traffic flow in simulated conditions by **25%** by engineering an **AI-driven control system** that adjusts signal timings in real-time.
- Achieved over **80% vehicle detection accuracy across 4 lanes** using YOLO and OpenCV, implementing a **strategy pattern** for adaptive signal logic
- Integrated hardware components including **ESP32 and Raspberry Pi** to execute real-time vehicle density processing .

**Design Nova** [View deployed project](#) — React (Vite), Node.js, Socket.IO, MongoDB

[Github repo](#)

- Engineered a **real-time system-design platform** featuring collaborative whiteboarding and live code execution, utilizing the **Observer pattern** and **Socket.IO** to enable low-latency synchronization for 80+ users.
- Optimized performance (**95**), accessibility (**90**), best practices (**98**), and SEO (**82**), attracting **80+ users** with a **low bounce rate of 18%** through efficient architecture and responsive UI design.

## Skills

**Programming Languages** : Java, Python, JavaScript

**Frontend Development** : HTML, CSS, React.js

**Database and Backend** : Express.js, Node.js, MongoDB, Firebase, MySQL

**AIML** : Supervised, Unsupervised Learning algorithms

**Tools and Platforms**: Git, GitHub, REST APIs, Postman, Docker, Redis

**Core CS**: Data Structures and Algorithms, OOPS, Low Level Design, High Level Design, Operating Systems, DBMS, Agile Development

**Soft Skills**: Team Leadership, Communication, Problem Solving, Collaboration, Analytical Thinking, Consistency, Discipline.

## Achievements

- Solved **1200+ problems on LeetCode**; ranked in the **top 9% globally with a peak rating of 1758**, secured Rank **1706 / 30,706** in **LeetCode Weekly Contest 482**, and achieved a **Top 20 rank** in Unstop contests. Advanced to the final round, placing among the **Top 10 students out of 300 participants** across Solapur in COD-A-THON, organized by Savali and Eshwar Foundation.
- **Hackathons**:
  - **SIH 2024 College-Level Finalist (Team Leader)**: [Traffic Lights Automation System](#)
  - **Orchathon 2025 Finalist**: [BeaconBond Platform](#)
  - **Outlier Virtual Hackathon 2025 Participant**: [FullCalenderNextVersion](#)
- **Leadership**: Served as Class Representative (CR) for four consecutive years, managing communication and logistics for a cohort of 70+ students; also led the final-year major project team.
- **Open Source Contributions**: Contributed to **HashSlap Summer of Code 2025, HacktoberFest 2025** and conducted an open source collaboration and code contributions in my personal project **DSA mastery, Design Nova in HacktoberFest 2025**.