Yashraj Chouhan

LinkedIn • Github • Leetcode • Personal Portfolio

PROFESSIONAL SUMMARY

A Full Stack Developer and AI/ML undergraduate with experience building scalable web applications, browser extensions, and real-time platforms. Proficient in React, Next.js, Node.js, Express.js, MongoDB, REST APIs, and AWS, with a strong foundation in DevOps. Passionate about solving real-world problems through clean architecture and modern engineering.

EDUCATION

Year	Degree/Exam	Institute	CGPA/Marks
2024-2028	Bachelor of Technology (AI & ML)	Newton School of Technology, Ajeenkya D.Y. Patil University, Pune	8.25/10.0
2022-2023	Intermediate (Class XII)	Silver Bells Convent School, Bhopal	73.3%
2020-2021	Matriculation (Class X)	Sagar Public School, Rohit Nagar, Bhopal	76.0%

EXPERIENCE

Model Evaluation Engineer (Freelance) April 2025 - July 2025
Scale AI *Bhopal*

- Evaluated AI generated code by designing and executing unit test cases to validate correctness, detect edge cases, and ensure functional accuracy across diverse programming problems using structured RLHF based review workflows.
- Improved model performance through iterative feedback cycles, prompt refinement, and systematic error analysis by identifying failure patterns in outputs to enhance reliability, reasoning quality, and overall system consistency.

PROJECTS

FlatLink (Github) (Demo) May 2026

- Built FlatLink using Next.js, Express.js, MongoDB, Prisma ORM, and TypeScript with a robust backend powering 12+ REST APIs, 3 core modules, JWT authentication, and 15+ responsive UI components for secure flatmate discovery and structured enquiry workflows, optimizing the overall architecture to ensure seamless data flows and rapid scalability.
- Developed listing workflows supporting 8+ accommodation attributes, 4 property types, Cloudinary-powered image uploads, city-based filtering, preferences, and Nodemailer email notifications across 2 user interaction flows.

Full Stack Browser Extension & CRM Dashboard (Github) (Demo) February 2026

- Built a full-stack attendance tracking browser extension and Next.js 16 analytics dashboard using React, TypeScript, and Redis. Scaled the system to support 620+ users, driving 77K+ extension opens, and a 91.6% active usage rate.
- Developed an advanced CRM dashboard leveraging Recharts for custom analytics visualizations, activity heatmaps, and cohort tracking, providing 24/7 real-time insights into feature adoption and engagement for all active users.
- Engineered 22 REST API endpoints across 12 route files to dynamically deliver 3 payload types (HTML, CSS, and JS). This enabled isolated client execution, secure OTA updates, and fully integrated dynamic monetization workflows.

Queue Management System (Github) (Demo) January 2026

- Architected a full-stack customer queue management system using React, React Native, and Express.js, comprising 3 integrated applications for real-time queue joins, live progress tracking, and mobile-first administrative control.
- Engineered 8+ REST API endpoints with Prisma ORM and PostgreSQL, implementing 6+ queue management workflows including enrollment, status tracking, serving, completion, skip handling, and automated daily token resets.

SAAGAA: Enterprise Salon Management Platform (Github) (Demo) January 2026

- Contributed to a full-stack MERN platform comprising 3 independent applications, engineering 40+ REST API endpoints and a shared MongoDB backend structured with 10 robust Mongoose data schemas to manage 7 resource types.
- Engineered secure Node.js backend infrastructure featuring JWT and OTP authentication with 3-tier role-based access control, implementing smart scheduling algorithms and secure HttpOnly cookie sessions to prevent double bookings.
- Developed responsive React 19 interfaces using Tailwind CSS with 19+ reusable UI components, integrating a multi-step booking modal with real-time slot availability and automated WhatsApp notifications for booking confirmations.

CERTIFICATIONS

AI For Everyone DeepLearning.AI (Link) February 2025
Successfully completing DeepMind's 'AI For Everyone' course effectively taught the basics of AI, its vital role in daily life, practical applications, AI ethics, and strategic adoption strategies, with no complex programming required.

Generative AI Productivity Skills Microsoft (Link) November 2024
Earned Microsoft certification in Generative AI Productivity Skills, learning practical applications of NLP, LLMs, and generative AI tools to improve productivity and workflow efficiency.

SKILLS

- **Computer Language:** Bash Scripting, CSS, HTML, JavaScript, Python, SQL, TypeScript
- **Soft Skill:** Critical Thinking, Decision-making, Research, Teamwork
- **Databases & Data Tools:** MongoDB, NoSQL
- **AI / ML:** Generative AI
- **APIs & Testing:** API testing, Postman, Unit Testing
- **Cloud & DevOps:** AWS, Docker, Git and Github, GitHub Actions, Kubernetes, Linux
- **Frameworks & Libraries:** Express JS, Next.js, Node.js, Pandas, React, React Native, Tailwind

EXTRA-CURRICULAR ACTIVITIES

- Active Robotics Club member, developing ESP32 based robots, embedded automation systems, and hardware prototypes for technical competitions, collaborative innovation challenges, and advanced engineering projects.
- Open source contributor during Hacktoberfest, submitting pull requests, fixing issues, reviewing implementations, and improving code quality across community driven software projects.

- Volunteered at college Techfest as a drone competition judge, evaluating innovation, technical execution, design efficiency, and overall project performance standards.