

CHIRAG VASAVA

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PROFESSIONAL SUMMARY

Full-Stack Developer and AI Builder with a strong track record of shipping production-grade platforms across MERN, Next.js, FastAPI, and Gemini AI. Experienced in architecting intelligent pipelines, ERP-style systems, and interfaces that blend system depth with UI craftsmanship.

TECHNICAL SKILLS

Frontend: React.js, Next.js, TypeScript, HTML5, CSS3, Tailwind CSS, Bootstrap

Backend: Node.js, Express.js, FastAPI (Python), Appwrite

AI & Testing: Gemini 2.5 Flash API, Playwright, PyTest, Python AST

Languages: JavaScript, TypeScript, Python, Java

Databases: PostgreSQL, MySQL, MongoDB, SQLite, SQLAlchemy, Prisma ORM

Deployment: AWS EC2, Render, Railway, Vercel

APIs & Payments: RESTful APIs, Razorpay, JDBC

DevOps & Tools: Git, GitHub, CI/CD (GitHub Actions), Postman

PROJECTS

TestForge AI – Intelligent Test Automation Platform

Next.js, FastAPI, Python, SQLAlchemy, SQLite, Gemini 2.5 Flash, Playwright, PyTest, TypeScript, Render, Vercel | [GitHub](#) | [Live](#)

- Built a full-stack QA platform that parses Python code via native AST analysis and auto-generates PyTest boilerplate, eliminating manual test authoring overhead
- Integrated Gemini 2.5 Flash to suggest targeted edge case assertions and auto-generate parameterized Playwright scripts, backed by a CI/CD GitHub Actions quality gate with weighted risk scoring
- Achieved 100/98/100/100 Desktop and 96/98/100/100 Mobile Lighthouse scores (Performance/Accessibility/Best Practices/SEO), demonstrating production-grade software quality

DayFlow – Human Resource Management System

MERN Stack (MongoDB, Express.js, React, Node.js), JWT, bcrypt, Render | [GitHub](#) | [Live](#)

- Developed a full-featured HRMS with auto-generated Employee ID system, role-based JWT auth (Admin, HR, Employee), and forced password change on first login
- Engineered an interactive attendance calendar with daily check-in/out, leave approval workflows, and a payroll engine with gross/net salary breakdown and deduction tracking
- Delivered 100/100 Desktop and 100/100 Mobile Lighthouse Performance with 0 ms Total Blocking Time and 100/100 Accessibility, reflecting highly optimized frontend performance

UniNest AI – Campus Recruitment Operating System

Next.js 15, Express.js, TypeScript, Prisma ORM, PostgreSQL, Gemini 1.5 Flash, AWS EC2 | [GitHub](#) | [Live](#)

- Orchestrated a full campus placement OS handling drive discovery, resume verification, interview scheduling, AI-powered ATS scoring, and offer management end-to-end
- Leveraged a Gemini 1.5 Flash ATS engine that scores resumes against job descriptions — returning verdict, strengths, skill gaps, and matched keywords with heuristic fallback
- Recorded 100/98/100/100 Desktop Lighthouse scores (Performance/Accessibility/Best Practices/SEO) while maintaining a scalable, full-stack architecture with optimized UX

ACHIEVEMENTS

Hack-A-Throne 2025 – MSU Baroda (Team Leader)

- Led a team to design and ship an AI-powered Event Management Portal within a 32-hour hackathon window
- Implemented AI-based vendor recommendations, image-based product search, and multi-role dashboards under competitive time pressure
- Demonstrated rapid full-stack delivery, technical leadership, and cross-functional collaboration in a high-stakes environment

Odoo × GCET Hackathon 2026

- Shipped RentFlow — a complete ERP-style rental platform — and advanced from virtual screening to the offline final round
- Configured multi-step checkout (COD, UPI, Card, Razorpay), quotation management, order lifecycle, and PDF invoice generation
- Gained hands-on experience in multi-vendor platform architecture, real-world ERP design, and competition-grade delivery

EDUCATION

B.E. in Computer Science and Engineering

Maharaja Sayajirao University of Baroda | 2024 – 2027

Diploma in Information Technology

Parul University | 2021 – 2024