SAURABH YADAV
SOFTWARE DEVELOPER

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SUMMARY

Full Stack Developer skilled in building **responsive web applications** using the **MERN stack**. Proficient in **RESTful APIs**, **authentication systems**, **Gen AI integration**, and **cloud deployment**.

EXPERIENCE

Full Stack Developer Intern, 1stop.ai – Bengaluru, Karnataka   **Dec 2024 – Mar 2025**
- Architected **15+ scalable REST APIs** using the **MVC pattern**, ensuring **99.8% uptime** for daily active users.
- Led backend development for **3+ collaborative projects**, managing **API design** and feature implementation.
- Built a **real-time analytics dashboard** with **multithreaded programming** and **JWT authentication**.
- Reduced production bugs by **40%** through comprehensive **unit testing** using **Jest** and **integration testing**.

Software Developer Intern, ByteXL – Vadodara, Gujarat   **May 2024 – Jun 2024**
- Engineered **5+ responsive** React applications with **95% cross-browser compatibility** and **a mobile-first design**.
- Enhanced **SEO performance**, increasing **organic traffic by 25%** through optimization techniques.
- Collaborated in **agile development** with **daily stand-ups**, **sprint planning**, and **code reviews**.

EDUCATION

Parul University – Vadodara, Gujarat   **Sep 2021 – Jul 2025**
B.E. Computer Science Engineering   GPA: **7.79**
Applied Mathematics, Discrete Mathematics, Algorithms, Data Structures, Databases, Operating Systems, Computer Networks, Artificial Intelligence, Cloud Computing, Distributed Computing

PROJECTS

Acadion – Learning Management System   [GitHub] | [Live Demo]   **Jul 2025**
- Developed a **full-stack LMS** with a responsive UI, real-time dashboards, and role-specific functionalities for **Admin**, **Instructor**, and **Student** users, tested by **50+ users**.
- Designed and incorporated **JWT auth**, **OTP email verification**, and **RBAC** to safeguard user data and access workflows.
- Integrated **Razorpay** for secure payments and **Cloudinary** for efficient course media storage and management.
- Deployed backend on **AWS EC2** and frontend on **Vercel**, reducing **page load time** by **40%** for improved user experience.

JobNova – Job Portal Platform   [GitHub] | [Live Demo]   **Mar 2025**
- Engineered a **full-stack scalable system** with **advanced algorithms**, **real-time notifications**, and **99.8% uptime**.
- Optimized **database queries**, reducing **latency by 45%** with **role-based access control (RBAC)**.
- Launched the application onto the **Render Platform**, featuring **integrated search** and **application tracking systems**.

FixPilot – Code Reviewer   [GitHub] | [Live Demo]   **Dec 2024**
- Built an **AI-powered code review tool** using **MERN** and **Google Gemini API** for automated code analysis and correction.
- Enabled **real-time feedback** with clean **UI/UX**, allowing users to submit raw code and receive accurate reviews and **AI-generated improvements**, tested with **100+ code snippets** and deployed on **Vercel**.

TECHNICAL SKILLS

Languages: C, C++, Java(Core), JavaScript, TypeScript, SQL
Frameworks: Node.js, Express.js, React.js, Tailwind CSS
Databases: MongoDB, MySQL, Firebase Firestore
Tools & Cloud: Git, GitHub, Postman, Docker, AWS (EC2, Lambda, S3, API Gateway), Vercel, Render, CI/CD
Operating Systems & Networking: Linux Internals, TCP/IP, Socket Programming, Networking Concepts

ACHIEVEMENTS & CERTIFICATIONS

- **Completed Walmart USA's Advanced Software Engineering Job Simulation**
- **20+ GitHub Repositories with production-ready full-stack projects and open-source contributions**
- **Software Engineering & Project Management** – *Coursera*
- **Data Analytics with Python** – *NPTEL*
- **Databases and SQL for Data Science** – *IBM*
- **Full Stack Web Development** – *Udemy*