

VIRENDRA GADEKAR

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Professional Summary

Java Full Stack enthusiast with active open-source contributions in the Jenkins ecosystem. Skilled in building scalable backend systems using Spring Boot 3 and solving algorithmic challenges. Passionate about clean code, unit testing, and DevOps automation.

Education

Dr. D.Y. Patil School of Science and Technology

Bachelor of Computer Applications (BCA); CGPA: 9.09 / 10.0

Pune, India

2024 – 2027

Technical Skills

Languages: Java (Core/Advanced), C++, C, JavaScript, SQL (PostgreSQL), Python, HTML/CSS

Frameworks: Spring Boot 3.2, React.js (Vite), Hibernate, Flask, Tailwind CSS

DevOps & Tools: Jenkins (Infra/Tooling), Docker, Git/GitHub, Postman, IntelliJ IDEA, Linux

Concepts: Data Structures & Algorithms, RESTful APIs, OOPs, Design Patterns (Strategy, Singleton)

Open Source Experience

Jenkins (Infrastructure & Tooling)

Open Source Contributor

Remote

Nov 2025 – Present

- **Merged Feature (PR #1428):** Implemented an idempotent PR creation logic in `plugin-modernizer-tool` to prevent API 422 errors and duplicate notifications, significantly improving tool robustness.
- Designed a configurable **Strategy Pattern** (SKIP, UPDATE, IGNORE) accessible via CLI, allowing users to strictly control behavior when handling existing Pull Requests.
- Collaborated with core maintainers to resolve code reviews, refactor legacy logic, and improve unit test coverage using **Mockito**.
- Contributed to `jenkins-rpm-packaging` to ensure smoother installation processes on Linux environments.

Projects

Nyay-Setu (Digital Judiciary Platform) | *Spring Boot, React, Groq AI* | 🐙 [Source](#) [Live](#) **June 2025 – Present**

- Architected a full-stack legal tech platform bridging the gap between citizens and the judiciary; integrated **Groq LPU (Llama-3)** to power 'Vakil-Friend', an AI chatbot for instant legal query resolution.
- Built a secure **Judicial Efficiency Flow** with JWT-based RBAC, allowing Judges to claim cases from an unassigned pool.
- Developed a 'Legal Marketplace' for hiring vetted lawyers; deployed frontend to Vercel and containerized backend services for scalable deployment.
- Recognized as a **VOIS for Tech Innovation Marathon 2.0** Participant.

SmartCampus AI (Predictive ERP) | *Java, Spring Boot, Python, React* | 🐙 [Source](#) [Live](#) **Aug 2025 – Oct 2025**

- Designed a proactive ERP system featuring a **Predictive Intervention Engine** that uses a Logistic Regression model to calculate student dropout risk scores (0.0-1.0) in real-time.
- Implemented a decoupled microservices architecture: Spring Boot handles core academic operations (Fees, Attendance) while a Flask microservice executes ML inference.
- Selected as **College Level Winner** for Smart India Hackathon (SIH) 2025; created a unified mentor dashboard to visualize risk data.

Achievements & Certifications

LeetCode: Solved 90+ Problems (Java/C++); earned **50 Days Badge 2025** for consistency.

Hackathon Finalist: Selected for **VOIS for Tech Innovation Marathon 2.0** (Vodafone Intelligent Solutions).

Hackathon Qualifier: Winner of Internal College Round for **SIH 2025** (Smart India Hackathon).

Certification: Master Microservices with Spring Boot & Spring Cloud (Udemy).

Certification: Java Data Structures & Algorithms + LEETCODE Exercises (Udemy).