# VIRENDRA GADEKAR

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## Education

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| **Dr. D.Y. Patil School of Science and Technology** | **Pune, India** |
| *Bachelor of Computer Applications (BCA); CGPA: 9.09 / 10.0* | *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 (CI/CD), Docker, Git/GitHub, Postman, IntelliJ IDEA, Linux (Fedora/RHEL)
**Concepts**: Data Structures & Algorithms, Microservices, RESTful APIs, OOPs, System Design

## Open Source Experience

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| **Jenkins (CloudBees Ecosystem)** | **Remote** |
| *Open Source Contributor* | *Nov 2025 – Present* |

- **Core Contribution (PR #544):** Authored and merged a critical update in `jenkins-rpm-packaging` to enforce Java 17/21 requirements. Ensured compatibility with **Fedora 42+** and legacy RHEL systems, impacting thousands of downstream RPM installations.
- Collaborated directly with 4 core maintainers to resolve dependency conflicts for the LTS release; the PR involved 10 commits and extensive testing across Fedora, Rocky Linux, and openSUSE environments.
- Actively maintaining 6+ open PRs across `jenkins-core` and `plugin-modernizer-tool`, including fixes for HTTPS keystore password handling (PR #715) and preventing duplicate PR creation.

## Projects

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| **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 and document analysis.
- Built a secure **Judicial Efficiency Flow** with JWT-based RBAC, allowing Judges to claim cases from an unassigned pool and view AI-generated case summaries.
- Developed a 'Legal Marketplace' for hiring vetted lawyers and a digital evidence locker; deployed frontend to Vercel and containerized backend services for scalable deployment.
- Selected for **VOIS for Tech Innovation Marathon 2.0**.

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| **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 for **Selected for SIH-2025**; created a unified mentor dashboard to visualize risk data, enabling early intervention for at-risk students.

## Achievements & Certifications

**LeetCode Knight:** Rated **1,718** (Top 11% Globally). Solved 130+ problems; earned "50 Days Badge 2025".
**Hackathon Finalist:** Selected for **VOIS for Tech Innovation Marathon 2.0**.
**Certification:** Master Microservices with Spring Boot & Spring Cloud (Udemy - 26 Hours).
**Certification:** Java Data Structures & Algorithms + LEETCODE Exercises (Udemy).