

# SUJAL PATIL

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## SUMMARY

Full Stack-focused engineering student building scalable systems using Java, Spring Boot, and PostgreSQL, with experience in API design and data-driven problem solving.

## EDUCATION

### Dnyan Prasad Global University, Pimpri Chinchwad (2025 – 2028)

B.Tech, Computer Science & Engineering | GPA: 9.27

### Saraswati Institute of Technology, Kharghar (2022 – 2025)

Diploma in Computer Engineering | 92.63%

## SKILLS

- **Programming Languages:** Java
- **Backend & Frameworks:** Spring Boot, Hibernate, FastAPI
- **Databases:** PostgreSQL, MySQL
- **Tools & Platforms:** Git, GitHub, Maven, Postman
- **Core Concepts:** Data Structures, Algorithms, OOP

## PROJECTS

### GeoWatch | *Flutter, React, Spring Boot, PostgreSQL, WebSockets* | [GitHub](#)

- Implemented a real-time distributed system that processes GPS-based incident data and detects geospatial risk clusters using DBSCAN during large public events.
- Engineered a scalable Spring Boot backend with WebSocket-based real-time updates powering a live monitoring dashboard. Worked with a team of four developers across mobile, backend, and frontend modules.

### GitGo | *TypeScript, Node.js, VS Code Extension API, Git* | [GitHub](#)

- Built a VS Code extension to automate publishing coding solutions to GitHub by generating project structure, documentation, and Git commits in a single command.
- Designed a modular pipeline system integrating file processing, README generation, and Git automation to streamline developer publishing workflows.

### WardWatch | *Spring Boot, PostgreSQL, REST APIs, React, WebSockets* | [GitHub](#)

- Built a real-time hospital ward management system tracking bed occupancy and patient flow with automated queue lifecycle (admit → discharge → cleaning → available).
- Developed capacity forecasting, alerts, and shift summary APIs with role-based access control (STAFF write, ADMIN read-only) for efficient hospital operations.

### AASHA | *React (PWA), Spring Boot, Indexed DB, PostgreSQL* | [GitHub](#)

- Architected an offline-first healthcare platform that structures patient health data from voice and text inputs and flags high-risk patient cases using rule-based analytics.
- Built secure REST APIs using Spring Boot and automated data synchronization. Contributed to a development team building scalable healthcare monitoring solutions.

## EXTRACURRICULAR ACTIVITIES

### Technical Team Member – Kryptonex Tech & Innovation Club, DPGU

Organized coding competitions and events, including Tech Rush, promoting programming and problem-solving.

### Co-Founder – RuntimeSync ([GitHub Organization](#))

Co-founded RuntimeSync GitHub organization, collaborating on software projects, managing repositories, and coordinating development workflows.

## CERTIFICATIONS

### AWS Cloud Practitioner Essentials|2025

AWS Training & Certification

### AI Agents Intensive Course with Google|2025

Kaggle x Google

### Advanced Java Course Completion | 2024

Institute Of Futuristic Technologies IOFT

### Java, C, C++ Course Completion | 2024

Spoken Tutorial IIT Bombay