

SUJAL PAWAR

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Education

Dr. D. Y. Patil Institute of Technology

B.E. in Computer Engineering — CGPA: 9.03/10

Pune, India

08/2023 – 05/2027

Technical Skills

Languages: Java, C++, TypeScript, JavaScript, Python

Core CS: Data Structures, Algorithms, OOP, Design Patterns, Operating Systems, Computer Networks, DBMS

Web & Data: Node.js, Express.js, REST APIs, React.js, Next.js, MongoDB, PostgreSQL, MySQL

Tools: Git, GitHub, Docker, Linux, Postman; profiling, debugging, performance optimization

Experience

Kifayti Health

Software Developer Intern

Remote

Nov 2025 – Mar 2026

- Designed and shipped secure REST APIs for patient workflows across the full development cycle, implementation, review, and release implementing role-based access control, request validation, and authorization for sensitive healthcare data.
- Profiled and optimized frontend performance, eliminating redundant API calls and improving rendering efficiency to reduce page interaction latency.

Projects

SmartAgri — Satellite-Powered Precision Farming Platform – GitHub | Live

(React.js, Node.js, Express, Python, Google Earth Engine, Chart.js)

Sept 2025

- Implemented time-series analysis across growing seasons to surface vegetation trends, and a coordinate-transformation layer converting user-drawn field polygons into Earth Engine ingestion geometry.
- Architected a three-tier system (React client, Node/Express API, Python Earth Engine processing) and delivered interactive visualizations of the derived index data. Built with a 3-person team for the IIC Jaipur Hackathon.

Legal-Ease — Bringing Speed and Clarity to Justice – GitHub

(React, TypeScript, Vite, Node.js, Express, MongoDB, Agora RTC)

Aug 2025 – Present

- Integrated low-latency real-time video conferencing using Agora RTC, generating secure server-side session tokens to authorize participants into virtual court hearings.
- Implemented JWT authentication with four-tier role-based access control (judge, lawyer, litigant, admin), enforcing role-aware data visibility across a modular Express backend of middleware, models, routes, and services.

HireX — Professional Networking & Hiring Platform – Live

(Next.js, TypeScript, Node.js, MongoDB, REST APIs)

Apr 2026

- Architected a modular hiring and networking platform with role-based workflows, REST APIs, and real-time communication features.
- Designed a scalable MongoDB schema optimized for read-heavy access patterns across candidate search and feed rendering.

Achievements

- 5× hackathon winner; 2nd Runner-up among 300+ teams at Inceptia 2025 (national-level hackathon).
- Selected among top 1.2% of candidates for JPMorgan Chase & Co. Code for Good 2025.
- Solved 700+ data structures and algorithms problems across LeetCode and CodeChef.

Leadership & Volunteering

Technical Head, Association of Computer Engineering Students

Aug 2024 – Present

- Led development and deployment of React/Next.js applications supporting club operations and event platforms.
- Mentored 250+ students across 10+ workshops on web development and Git/GitHub, communicating technical concepts to mixed-experience audiences.