

Pravesh Manohar Nandanwar

Software Engineer

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Professional Summary

Final-year Computer Science and Design Engineering undergraduate (CGPA: 9.0/10, AI/ML Honors) with 7+ months of software development internship experience building enterprise backend and full-stack applications. Built multi-tenant SaaS platforms, real-time communication systems, and financial applications using PHP/CodeIgniter, Node.js/Next.js, Python/Django, and PostgreSQL. Strong foundation in REST APIs, database design, authentication, and scalable software engineering.

Technical Skills

Languages : JavaScript (ES6+), TypeScript, Python, Java, PHP, C
Backend : Node.js, Express.js, Django, Django REST Framework, PHP (CodeIgniter 4), REST APIs, Socket.IO, JWT, RBAC
Frontend : React.js, Next.js 15, HTML5, CSS3, Tailwind CSS, Bootstrap, jQuery
Databases : PostgreSQL, MySQL, MongoDB, SQLite, Prisma ORM
Cloud & DevOps : Docker, GitHub Actions (CI/CD), AWS (EC2, S3, IAM)
Developer Tools : Git, GitHub, Postman
Core CS : DSA, OOPs, DBMS, Operating Systems, Computer Networks, System Design

Experience

- JBB Technologies Pvt. Ltd.** — *Software Development Intern* **Jan 2026 – Present**
- Developed backend functionality across three enterprise web applications, including a multi-tenant ServiceCRM platform, a Bank Administration Portal, and a Society Management Portal, using PHP, CodeIgniter 4, MySQL, and a custom MVC architecture.
 - Engineered a tenant-isolated SaaS architecture by implementing row-level data isolation across 14+ database models, ensuring secure organization-level data segregation within a shared database.
 - Designed and implemented role-based access control (RBAC) systems with permission-matrix authorization, middleware-based access enforcement, and audit logging across enterprise applications supporting up to seven operational roles.
- Encrypta, Sindhvi Technologies Pvt. Ltd.** — *R&D Intern* **Oct 2025 – Dec 2025**
- Enhanced the frontend of the Encrypta Browser Companion (Chrome and Firefox extensions) using HTML, CSS, and JavaScript, improving layout consistency, responsiveness, and overall user experience.
 - Conducted real-device validation using USB debugging while collaborating in GitHub-based development workflows, contributing to feature testing, bug reporting, pull request reviews, and the stable v1.1.3 release.

Projects

- ServiceCRM – Multi-Tenant Enterprise Service Management Platform** [Live](#) | [GitHub](#)
- Tech:** PHP, CodeIgniter 4, MySQL, JavaScript, Bootstrap, jQuery, RBAC, REST APIs
- Developed a multi-tenant ServiceCRM platform with role-based access control (RBAC), supporting customer, ticket, AMC, invoice, and engineer management through a centralized enterprise service management system.
 - Engineered row-level tenant isolation across 14+ database models using shared tenant scoping, ensuring secure organization-level data segregation within a shared MySQL database.
 - Designed and implemented a granular role-based access control (RBAC) system with permission-matrix authorization, middleware-based access enforcement, and audit logging across four operational roles.
- ChatFlow – Real-Time Communication & Collaboration Platform** [Live](#) | [GitHub](#)
- Tech:** Next.js 15, React 19, TypeScript, Node.js, Express.js, Socket.IO, PostgreSQL, Prisma, Docker, JWT Auth
- Developed a full-stack real-time communication platform supporting secure messaging, group collaboration, media sharing, and AI-assisted interactions using Next.js, Node.js, Socket.IO, PostgreSQL, and Prisma ORM.
 - Designed a layered backend architecture separating controllers, services, repositories, middleware, socket handlers, and validators, improving maintainability and modularity across the application.
 - Built secure backend services using Node.js, Express.js, PostgreSQL, Prisma ORM, and JWT authentication, supporting user management, friend requests, group administration, and persistent messaging.
- FinPilot – Personal Finance Management & Financial Analytics Platform** [Live](#) | [GitHub](#)
- Tech:** Python, Django, DRF, PostgreSQL, Chart.js
- Developed a full-stack personal finance platform using Django, Django REST Framework, PostgreSQL, and Chart.js, supporting budgeting, transaction tracking, savings goals, liabilities, and financial analytics.
 - Architected normalized PostgreSQL data models, implemented RESTful backend services, and engineered a rules-based financial analytics engine for Financial Health Scores, cash-flow analysis, budget utilization, and spending insights.

Education

- Maharashtra Institute of Technology, Chh. Sambhajinagar** **Nov 2022 – June 2026**
Bachelor of Technology – Computer Science and Design Engineering **CGPA: 9.00/10**
- Honors:** Artificial Intelligence and Machine Learning – **Grade: A+**

Certifications

- AWS Cloud Practitioner Essentials** (AWS/Coursera)
- Cloud Computing – Elite Certified** (NPTEL/IIT Kharagpur)