

NIL PATEL

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PROFESSIONAL SUMMARY

AI-focused Full-Stack Developer pursuing BCA in Software Development with 2+ years of hands-on internship experience building enterprise software, AI-powered applications, and workflow automation systems. Proficient in Laravel, PHP, React, Node.js, Python, and LLM integrations. Contributed to 10+ production-grade projects across enterprise resource management, HRMS, CRM, matrimonial platforms, energy sector websites, and AI-assisted automation systems. Passionate about building scalable SaaS platforms, intelligent automation, and production-ready AI applications.

CORE SKILLS

AI & LLM Engineering: LLM Prompt Design & Optimization, RAG Pipelines, OpenAI API, Google Gemini, Gemma (Local AI), AI Workflow Automation & Orchestration, Embedding Models, Semantic Search, Vector Search, Prompt Chaining, Function Calling

AI Agents & Automation: LangChain / LangGraph Basics, n8n Automation, Agentic AI Systems, Multi-Agent Workflows, MCP Integrations

Full-Stack Development: React, Next.js, TypeScript, Tailwind CSS, PHP, Laravel (MVC), Node.js, Express.js, FastAPI, JavaScript, Bootstrap, REST API Development, Real-Time Applications (Socket.IO), Webhooks

Databases & Data: MySQL, PostgreSQL, MongoDB, Supabase, Firebase, Redis, Pinecone / ChromaDB / Weaviate, Prisma ORM, Database Optimization

Cloud & DevOps: Google Cloud Platform (GCP), Cloud Deployment & Production Hosting, Docker, Docker Compose, GitHub Actions, CI/CD Fundamentals, Vercel / Render / Railway, Linux Basics

Auth & Security: JWT Authentication, Role-Based Access Control (RBAC), Multi-Role Auth Systems, Authentication Middleware

UI/UX & Other: Figma, Responsive UI Design, SEO Optimization, WordPress / WooCommerce, Multi-Language Support, Flutter (Basic)

Tools & Platforms: Git, GitHub, Postman, VS Code, XAMPP, Composer, Docker, n8n, LangChain, OpenAI API, Google Gemini

INTERNSHIP EXPERIENCE

Software Development Intern | [Seer IT Solutions, Vadodara](#) | 2024 – Present

- Contributed to 10+ production-grade projects across enterprise, CRM, HRMS, matrimonial, energy, and AI automation domains over Sem 5 & 6 OJT programs
- Integrated Local AI systems using Gemma models into CRM workflows — including automated response generation, workflow suggestions, content automation, and intelligent process optimization
- Built and tested AI workflow automations using n8n and LLM APIs for real-world enterprise business processes
- Worked extensively with Laravel, PHP, MySQL, JavaScript, Bootstrap, AJAX, REST APIs, and responsive UI frameworks in production systems
- Implemented multi-role authentication systems, RBAC, subscription workflows, notification systems, and real-time chat modules
- Contributed to full project lifecycle: requirement analysis, database design, backend development, frontend integration, testing, and deployment
- Collaborated with senior developers in an agile team environment on live client-facing applications

PROJECTS AT SEER IT SOLUTIONS

AI-Based CRM Workflow Automation System | Sem 6 · 2025-26

- Integrated Gemma Local AI model into CRM workflows for intelligent automation of business processes
- Implemented AI-assisted response generation, workflow suggestions, and content automation features
- Built prompt engineering layer for consistent and context-aware AI output within enterprise workflows

- Reduced manual intervention in CRM operations through automated lead handling and intelligent process routing

Technologies: Laravel, PHP, MySQL, Gemma Local AI, Prompt Engineering, Workflow Automation

Enterprise Resource Management System (SRS / CEL) | Sem 6 · 2025-26

- Developed role-based dashboard systems with workflow tracking, analytics, and reporting modules
- Implemented financial reconciliation reports, CAPEX/OPEX tracking, and invoice management features
- Built granular permissions matrix system with module-level access control across multiple user roles
- Optimized backend query performance and database relationships for enterprise-scale data operations

Technologies: Laravel, PHP, MySQL, Bootstrap, JavaScript, RBAC, REST APIs

Human Resource Management System (HRMS) | Sem 6 · 2025-26

- Built complete employee management system with attendance tracking, leave management, and payroll modules
- Implemented multi-language support (English/Arabic) for international user accessibility
- Developed role-based dashboards for Super Admin, HR Admin, HR Manager, and Employee roles
- Integrated reporting dashboards and analytics for operational visibility across departments

Technologies: Laravel, PHP, MySQL, Bootstrap, JavaScript, Multi-Language, RBAC

Suyog Matrimonial Platform | Sem 5 & 6 · 2024-26

- Built Friend feature, real-time notification system, and profile visibility management workflows
- Implemented multi-currency subscription system with API-based real-time currency conversion
- Added test/production environment toggle for admin-controlled payment gateway switching
- Optimized large-scale profile filtering and search with improved query performance and frontend rendering

Technologies: Laravel, PHP, MySQL, REST APIs, Bootstrap, JavaScript, Cashfree Payment Gateway

Goswami Sangath Community Platform | Sem 6 · 2025-26

- Developed community-oriented matrimonial platform with profile management and matchmaking workflows
- Implemented secure authentication with middleware-based access management and admin portal with 2FA
- Built responsive UI with dynamic content rendering and community interaction workflows

Technologies: Laravel, PHP, MySQL, Bootstrap, JavaScript

Marketplace Platform (EFC Estimate) | Sem 5 · 2024-25

- Designed multi-role quotation and project management system for service industries (electrical, plumbing, construction)
- Built inbuilt real-time chat system with message synchronization, read receipts, and file sharing
- Implemented full project workflow: Request → Quoted → Approved → In Progress → Completed with payment processing
- Developed role-based dashboards for Client, Estimator/Developer, and Admin with granular permissions

Technologies: Laravel, PHP, MySQL, Real-Time Messaging, Bootstrap, Stripe Payments

TrustLine Energy Platform | Sem 6 · 2025-26

- Developed corporate website for renewable energy and solar solutions company with SEO-optimized architecture
- Built responsive landing page with service showcase modules, inquiry forms, and lead generation workflows
- Implemented performance optimization achieving fast loading across desktop, tablet, and mobile devices

Technologies: HTML5, CSS3, JavaScript, Bootstrap, Responsive Design

SNP Solutions – IT Company Website | Sem 5 · 2024-25

- Developed corporate website for Christchurch-based IT company serving New Zealand businesses
- Built responsive landing page with service listings, contact forms, and business branding integration

Technologies: HTML5, CSS3, JavaScript, Bootstrap

NZ Tours & Taxi Website | Sem 5 · 2024-25

- Built tourism booking platform for New Zealand private tours and taxi services with multi-language support (EN/ZH)
- Implemented booking request system, WhatsApp integration, and automated confirmation email workflows
- Developed SEO-optimized mobile-first responsive layout for international tourist accessibility

Technologies: HTML5, CSS3, JavaScript, Bootstrap, Multi-Language, Email Automation

AI & PERSONAL PROJECTS

AI-Powered Lead Qualification System | 2025

- Built automated lead scoring workflow using OpenAI APIs and backend business logic
- Integrated AI-based lead classification with PostgreSQL database workflows
- Reduced manual filtering effort through automated qualification pipelines
- Designed scalable API architecture for CRM integration

Technologies: Python, OpenAI API, PostgreSQL, FastAPI

Intelligent CRM with AI Assistant | 2025

- Developed AI-powered CRM assistant with contextual chat capabilities and prompt chaining
- Integrated LangChain-based retrieval and lead qualification logic
- Improved internal workflow efficiency using AI-assisted automation

Technologies: React, Laravel, LangChain

RAG-Based Knowledge Base | 2025

- Built Retrieval-Augmented Generation (RAG) pipeline for intelligent document Q&A
- Implemented semantic search using vector embeddings and similarity retrieval
- Developed backend APIs for document ingestion and AI response generation

Technologies: Python, FastAPI, Vector DB, Embeddings

Autonomous AI Workflow Assistant | 2025

- Built multi-step AI automation workflows using LLM APIs and backend orchestration
- Integrated document retrieval, prompt chaining, and contextual response generation
- Deployed application using Docker and cloud hosting platforms

Technologies: Python, FastAPI, LangChain, PostgreSQL, Docker

EDUCATION

Bachelor of Computer Applications (BCA) – Software Development | [TeamLease Skills University, Vadodara](#) | 2023 – Ongoing

- On-Job Training I (Sem 5): Full-stack web development across enterprise and tourism platforms
- On-Job Training II (Sem 6): Advanced enterprise systems, AI workflow integration, HRMS, ERM

CERTIFICATIONS

- AI Tools Workshop – Be10x (Feb 2026)
- Cloud Technical Series: Gemini at Work – United Latino Students Association (Nov 2025)
- Cloud Technical Series: ADK Builder's Badge – United Latino Students Association (Nov 2025)
- Prompt Design in Vertex AI – Google (Oct 2025)

OPEN SOURCE & SELF LEARNING

- Continuously experimenting with AI agents, RAG systems, and workflow automation
- Building personal AI tools and production-ready SaaS prototypes
- Active learner in modern AI engineering and cloud technologies

CURRENTLY EXPLORING

- Agentic AI Systems & Multi-Agent Workflows
- MCP (Model Context Protocol) Integrations
- AI SaaS Architectures & Production-Ready LLM Applications
- Full-stack AI Engineering with scalable cloud-native deployments

ADDITIONAL INFORMATION

- Open to Internship, Entry-Level, or Graduate Roles in AI Engineering, Full-Stack, or Cloud
- Strong interest in AI engineering, SaaS platforms, and automation
- Actively building projects and improving production-ready skills