

Suraj Jangavali

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SKILLS

Programming Languages: Python, JavaScript
Frontend Development: React (TypeScript), Tailwind CSS, HTML5, CSS3
Backend Development: Laravel, FastAPI, RESTful APIs, GraphQL
Databases and Caching: MySQL, Redis, FAISS Vector DB
DevOps & Tools: Git, GitHub, Docker, AWS, CI/CD, Linux

EDUCATION

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| KLS Gogte Institute of Technology , Belgaum <i>Master of Computer Application</i> | Feb 2023 - Nov 2025 GPA: 8.1 /10.0 |
| Global College of BCA , Hubli <i>Bachelors of Computer Applications</i> | June 2019 - Jan 2023 GPA: 7.2 /10.0 |

EXPERIENCE

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| Nantech Solutions <i>Software Developer Intern</i> | May 2025 - July 2025 |
| <ul style="list-style-type: none">Designed and deployed a centralized authentication system using Keycloak to secure 3+ Core PHP applications.Configured realms, clients, roles, and authorization policies to implement role-based access control for 100+ users across modulesEnabled enterprise authentication features including SSO, SLO, 2FA, and single-session enforcement to strengthen account security.Implemented secure email registration and password reset workflows.Built administrative user management , control sessions (including forced logout), and role management with fine-grained access control. | |

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| Chromosis Technologies | Sept 2025 - Present |
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| Software Engineer | <ul style="list-style-type: none">Built and delivered full-stack web applications using React (TypeScript), Tailwind CSS, Laravel, and MySQL across multiple production modules.Integrated REST and GraphQL APIs into frontend components, improving data loading reliability and reducing UI latency by 20–30% through optimized state handling and API calls.Owned features end-to-end — from requirement analysis and development to testing and deployment within agile sprint cycles.Produced scalable, maintainable code aligned with engineering standards, contributing to 15–25% fewer QA defects and faster review cycles.Participated actively in requirement discussions and cross-functional team collaboration, helping translate business needs into clear technical solutions and contributing to well-scoped sprint tasks. |
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PROJECTS

Generative AI News Research Tool — Full-Stack RAG Application (React, Tailwind CSS, LangChain, OpenAI, Streamlit, Python, FAISS)

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| Build a full-stack AI research platform enabling users to analyze multiple finance news articles via URL ingestion and natural-language queries. |
| <ul style="list-style-type: none">Engineered a Retrieval-Augmented Generation (RAG) pipeline with LangChain, converting scraped article content into embeddings and storing them in a FAISS vector index for enabling semantic search across 10+ documents with fast retrieval latency.Integrated OpenAI models for embeddings and grounded answer generation, ensuring responses are context-aware and sourced directly from uploaded articles.Built REST APIs for URL processing, document indexing, and question answering, enabling seamless frontend-backend communication and real-time research queries.Designed responsive UI with URL management, question input, loading states, and citation display, improving usability and reducing manual research time by 40–60% compared to reading articles individually.Engineered system to support multi-document querying, source attribution, and scalable indexing workflow, simulating a real-world equity analyst research assistant. |

EduProjectStore - Full-Stack E-Commerce Platform (React(TypeScript), Laravel, MySQL, Redis)

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| Architected and launched a scalable full-stack e-commerce platform offering educational project templates and reference implementations for students across India, enabling hands-on learning and faster project development |
| <ul style="list-style-type: none">Engineered a dual-interface system with Laravel Blade for the customer-facing storefront and a React 18 + TypeScript admin dashboard, unified through a centralized RESTful APIs with JWT authentication and role-based access control (RBAC)Integrated Razorpay payment gateway with multi-step checkout, digital download generation, time-limited S3/GCS asset delivery with access control, and physical shipment coordination for end-to-end order fulfillmentBuilt an advanced search and filtering engine with multi-parameter queries and Redis caching, optimizing page load times to <2s and database query performance to <100ms (P95) — reducing estimated DB load by 60–70%Developed a mobile-first responsive frontend using Tailwind CSS 4.0 and Vite targeting 65–75% mobile traffic, achieving Core Web Vitals compliance (LCP <2.5s, FID <100ms, CLS <0.1) and SEO-optimized architecture for high-intent keyword rankingsImplemented platform trust features including a moderated review/rating system, queue-based transactional email notifications, 2FA, CSRF/XSS/SQL injection protections, and a PHPUnit test suite covering critical payment and auth flowsImplemented and set up a CI/CD pipeline enabling automated build and deployment of applications to AWS environments. |