

K NIKHIL

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PROFESSIONAL SUMMARY

Highly skilled and analytical Full-Stack Developer with hands-on experience in building scalable, high-performance web applications using React, TypeScript, and Django. Proven track record of developing robust enterprise-level tools, optimizing complex databases, and integrating advanced AI/automation workflows. Passionate about engineering clean user interfaces, optimizing backend architectures, and contributing immediate value to agile engineering teams.

TECHNICAL SKILLS

- **Languages:** JavaScript (ES6+), TypeScript, Python, HTML5, CSS3
- **Frontend Frameworks:** React.js, Next.js, Zustand, Tailwind CSS, Bootstrap, GSAP (Animations)
- **Backend Frameworks:** Django, Django REST Framework, Flask
- **Databases & Caching:** PostgreSQL, MySQL, MongoDB, Supabase, Redis
- **Tools & Architecture:** RESTful APIs, WebSockets, Git, GitHub, Postman, Responsive Design, MVC Architecture

WORK EXPERIENCE

Software Development (Web) Intern May 2026 – Present

AIWorkFusion (Remote)

- Architected and integrated automated generative workflows and AI-driven data analysis components using React.js and Python backend services.
- Developed responsive web interfaces tailored for real-time automation monitoring, ensuring seamless multi-device cross-compatibility.
- Collaborated with cross-functional engineering teams in an agile environment to design, test, and ship clean, production-ready full-stack components.

Software Development (Web) Intern Mar 2026 – Apr 2026

Unessa Foundation (Virtual)

- Contributed to the development of highly responsive web interfaces using React, JavaScript, and HTML/CSS.
- Identified, debugged, and resolved frontend application vulnerabilities and layout bugs to optimize cross-device user experience.
- Collaborated in agile real-world development environments to deliver clean, production-ready modules.

Full Stack Developer Intern May 2024 – Dec 2024

Krify Software Technologies (Kakinada)

- Engineered scalable backend logic using Python and Django following strict Model-View-Controller (MVC) architecture design principles.
- Designed, built, and tested RESTful API endpoints ensuring high-speed data communication layers between frontend client and backend architecture.
- Architected normalized MySQL database schemas and optimized complex CRUD query parameters to minimize server lag.
- Debugged critical system errors alongside senior engineers to enhance platform-wide operational stability.

CORE SOFTWARE DEVELOPMENT PROJECTS

AI-Powered Productivity Hub (AIWorkFusion Integration) May 2026

Tech Stack: React, TypeScript, Django REST Framework, OpenAI API / LLMs

- Engineered an AI-driven automated assistance module enabling automated presentation generation and structural workspace analytics.

- Integrated secure, rate-limited REST API endpoints to process concurrent AI inference requests, minimizing response overhead.
- Created a state-managed, interactive client interface featuring real-time AI generation status tracking and customized user configurations.

Scalable SaaS Project Management System

Apr 2026

Tech Stack: TypeScript, React, Redis, Django

- Architected a production-ready SaaS project management ecosystem built to support real-time user concurrency.
- Integrated Redis as an in-memory data store for backend caching and active session handling, drastically reducing database overhead and query response times.
- Designed fully normalized database schemas alongside efficient state models to guarantee application stability under concurrent operations.

Bus Ticket Booking System

Feb 2026 – Mar 2026

Tech Stack: React, Django REST Framework, PayPal API, GSAP

- Built a comprehensive full-stack ticket booking platform handling real-time bus filtering, seat matrix configurations, and transactional data loops.
- Developed an interactive, dynamic seat reservation layout component that tracks active inventory availability asynchronously.
- Integrated PayPal SDK/API Gateway to safely handle secure checkout pipelines, updating backend database entries instantly upon a verified transaction.
- Implemented frontend routing using React Router and sleek UI states via Tailwind and GSAP micro-animations.

High-Performance Project Tracker

Mar 2026

Tech Stack: React, TypeScript, Zustand, Tailwind CSS

- Engineered a rapid-response enterprise tracker featuring dual structural views: Kanban Boards (with drag-and-drop), List views, and Gantt-style Timelines.
- Designed a centralized client-side state machine using Zustand to ensure frictionless, reactive data flow across decoupled modules.
- Optimized frontend performance metrics through lazy-loading, code splitting, and resource minification—achieving a Lighthouse Score of 99.

Golf Club Application

Mar 2026

Tech Stack: React.js, Supabase, Vercel, JavaScript

- Engineered a multi-tenant business application with integrated user authentication and secure role-based dashboard routing.
- Programmed custom operational logic structures handling score tracking variables, match draw generations, and digital financial payouts.
- Leveraged Supabase backend-as-a-service structures for data retention and deployed the complete environment continuously via Vercel.

EDUCATION

B.Tech in Computer Science Engineering – MVGR College of Engineering	2025 – 2028
Diploma in Computer Science – Andhra Polytechnic	2022 – 2025
<i>Academic Performance: 75.00% Aggregate</i>	

TRAININGS & CERTIFICATIONS

Certification in Python Full Stack Development – Krify Software Technologies Pvt Ltd	May 2024 – Nov 2024
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