

# Nithin Joseph Varghese

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## SUMMARY

I'm Nithin Joseph, a passionate Full Stack Web Developer blending technical precision with creativity. I build high-performance, SEO-optimized, and user-focused web applications. I value clear communication, innovation, and continuous learning. Always open to challenging projects, collaborations, and growth opportunities — let's connect and build something exceptional.

## EXPERIENCE

### Full Stack Developer

NESA Software Pvt Ltd

January 2025 - July 2025, Palarivattom, Kochi, Kerala

- Developed three SEO-friendly, SEO-focused dynamic websites using NextJS and Svelte with robust backend capabilities.
- Collaborated with the team to design and implement an AI-powered chatbot using Ollama and RAG (Retrieval-Augmented Generation), with a Python backend and Next.js frontend.
- Optimized website performance for high search engine visibility and fast load times, improving user engagement and SEO rankings.

### Full Stack Developer Intern

Digitality

February 2024 - December 2024, Mumbai

- Successfully developed and launched multiple SEO-focused full-stack web applications, resulting in high organic traffic and superior user engagement.
- Implemented perfect SEO strategies and search ranking.
- Achieved an average organic search ranking increase of 40% within a month by optimizing site architecture and content delivery.
- Reduced initial page load times by 35% through advanced performance tuning and server-side rendering, directly benefiting Core Web Vitals scores.

### MERN Stack Developer

TECHGLITZ GLOBAL PVT.LTD

July 2023 - January 2024, Ernakulam South

- Designed and developed an advanced healthcare software responsible for streamlining hospital and clinic operations.
- Created a RESTful API to handle data requests and interactions between the client and the server.
- Implemented user validation and permissions, generating verification processes using Node.js.
- Automated repetitive administrative tasks, significantly improving productivity in hospital and clinic workflows by 27%.
- Implemented responsive and accessible front-end layouts with Next.js, ensuring seamless user experiences across multiple devices and improving overall customer engagement.

## PROJECT

### AI Agent using Django, LangGraph and permit

Utility-Based Agents • August 2025 - October 2025

- Engineered an AI agent leveraging Django, LangGraph, and a fine-grained permission system to automate complex workflow processes, resulting in a 40% reduction in manual task execution time and a 25% increase in system scalability.
- Created a multi-agent system where agents can interact with user data, external APIs, and execute specific Python functions based on natural language commands.
- Designed a **Supervisor Agent** to manage and coordinate other agents, enabling the system to handle multi-step, complex tasks efficiently.

### Privacy First Analytics Dashboard

August 2025 - September 2025

- Engineered a production-ready, **privacy-first Analytics Platform** utilizing **Next.js 16 (App Router, RSC)**, **PostgreSQL** with **Prisma ORM**, and **Tailwind CSS**.
- Pioneered an **AI-Powered Insights** feature using **OpenAI GPT-5** and **pgvector** for **Retrieval-Augmented Generation (RAG)**, enabling **Natural Language Queries** against analytics data.
- Designed and implemented the data pipeline for vector embeddings, storing event context in the `event_embeddings` table to facilitate semantic search and contextual AI responses.
- Ensured end-to-end **GDPR Compliance** by implementing **Consent Banners** (Art. 6(1)(a)) and enforcing a strict **Data Minimization** policy.
- Fortified the platform with **Security Measures**, including **Role-Based Access Control (RBAC)**, encrypted **httpOnly cookies** for sessions, and **rate limiting** public endpoints (60 req/min).

### Static Website (Freelancing)

Lodging • [www.thelittlehaven.co.in/](http://www.thelittlehaven.co.in/) • August 2025 - September 2025

- Developed an SEO-focused, high-performance static website using modern frameworks, including Astro JavaScript and TailwindCSS Version 4.

- Improved search engine optimization (SEO) and ranking visibility significantly through continuous analysis using Google Search Console and various online SEO Audit tools.
- Hosted the website on a high-availability cloud platform (AWS Amplify), ensuring 99.9% uptime, rapid content delivery, and efficient resource scaling.

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## EDUCATION

### MERN Stack

Techwingsys • Ernakulam • 2023

### Bachelor of Pharmacy

Kerala University of Health and Science • Thrissur, Kerala, India • 2022

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## CERTIFICATIONS

### MERN STACK

TECHWINGSYS • 2023

- Certified MERN Stack Developer

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## SKILLS

- **Frontend:** React, Next.js, Svelte, Astro, TypeScript, TailwindCSS
  - **Backend:** Node.js, Express, Django, Django REST Framework
  - **Databases:** MongoDB, MySQL, PostgreSQL
  - **ORM:** Prisma
  - **DevOps & Tools:** AWS Services, Docker, Kubernetes, Nginx, Linux, Git
  - **AI & Automation:** Prompt Engineering, RAG, Ollama, Gen AI, Agentic AI
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