

Nivethith Arasakumar

AI & Data Science Enthusiast | Aspiring AI Solutions Architect

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PROFESSIONAL SUMMARY

Computer Science undergraduate at the University of Westminster (delivered by the Informatics Institute of Technology, Sri Lanka), expected to graduate in 2028, with a strong passion for Artificial Intelligence, Data Science, and intelligent software systems. Experienced in designing and developing AI-powered web applications using React, TypeScript, Node.js, Next.js, and cloud-based AI technologies. Skilled in transforming ideas into scalable digital products through modern software engineering practices, intuitive user experiences, and data-driven innovation. Passionate about solving real-world problems using artificial intelligence while continuously expanding expertise in machine learning, cloud technologies, and enterprise AI architecture.

TECHNICAL SKILLS

Programming Languages: Python, Java, TypeScript, JavaScript, HTML5, CSS3

Backend: Node.js, Express.js, REST APIs

Databases: PostgreSQL, MySQL, Firebase, Supabase

Frontend: React 19, Next.js 16, Tailwind CSS v4, Framer Motion, Radix UI, Vite

AI & Data: Google Gemini AI, OpenRouter API, Prompt Engineering, AI Integration, Semantic AI Analysis, AI Automation, AI Management, AI Agent Development, Database Administration, Data Management

Developer Tools: Git, GitHub, Vercel, Netlify, Playwright, React Hook Form, Zod, Figma, Framer, Adobe XD, Resend, EmailJS

Core Competencies: Software Architecture, Problem Solving, UI/UX Design, Agile Development, Responsive Web Design, API Integration, Critical Thinking, Team Collaboration

FEATURED PROJECTS

CVForge — AI-Powered Resume Intelligence

React 19 · TypeScript · Node.js · Express · Tailwind CSS · Google Gemini AI · PostgreSQL · OpenRouter · Vercel

- Designed and developed an AI-powered resume intelligence platform capable of analysing resumes, calculating ATS compatibility scores, identifying skill gaps, and generating tailored resume recommendations.
- Integrated Google Gemini AI through OpenRouter to perform semantic resume analysis and produce role-specific insights in real time.
- Built secure PDF processing workflows, streaming analysis using Server-Sent Events (SSE), and a privacy-first architecture that processes documents entirely in memory.
- Developed a modern responsive interface with dark/light mode, smooth animations, and accessible UI components while deploying the application on Vercel.

NovaStack AI — Modern SaaS Landing Platform

Next.js 16 · React 19 · TypeScript · Tailwind CSS · Radix UI · React Hook Form · Zod · Vercel Analytics

- Engineered a premium SaaS landing platform using the Next.js App Router with a strong emphasis on product storytelling and enterprise-focused design.
- Developed responsive sections showcasing product features, infrastructure, workflow visualisation, security, integrations, and developer-focused content.
- Applied component-driven architecture and modern React development practices to create a scalable and maintainable application.
- Optimised the platform for responsiveness, accessibility, performance, and production deployment on Vercel.

NIVI Energy Drink — Interactive Digital Brand Experience

[Next.js 16](#) • [React 19](#) • [TypeScript](#) • [Tailwind CSS](#) • [Framer Motion](#) • [Lenis](#) • [Vercel Analytics](#)

- Built a premium product-focused marketing website featuring animated hero sections, interactive product showcases, and immersive user experiences.
- Implemented modern animations, responsive layouts, reusable UI components, and smooth scrolling interactions to enhance customer engagement.
- Structured the application using scalable Next.js architecture while focusing on performance optimisation and maintainable component design.
- Delivered a visually engaging digital experience aligned with modern branding and marketing principles.

Personal Portfolio Website

[React](#) • [TypeScript](#) • [Tailwind CSS](#) • [Vercel](#) • [nivethith.vercel.app](#)

- Designed and developed a professional portfolio website showcasing technical projects, certifications, and software development experience.
- Built a clean and responsive user interface focused on accessibility, performance, and recruiter-friendly navigation.
- Integrated GitHub repositories, project demonstrations, and professional profiles to establish a strong online technical presence.

EDUCATION

BSc (Hons) Computer Science — *Expected Graduation 2028*

University of Westminster (United Kingdom)
Delivered by Informatics Institute of Technology (IIT), Colombo, Sri Lanka

Foundation in Computing — *May 2025 to December 2025*

Informatics Institute of Technology (IIT), Colombo, Sri Lanka

GCE Ordinary Level (O/L) — *January 2014 to March 2025*

BT/Methodist Central College

CERTIFICATIONS

- IBM Data Science Professional Certificate
- IBM Applied Data Science Specialization
- Microsoft AI & ML Engineering Specialization
- IBM Relational Database Administration (DBA)

LANGUAGES

English — Professional Working Proficiency
Tamil — Native