NASHAN UNAIS

ASSOCIATE SOFTWARE ENGINEER

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SUMMARY

Software engineer with 2 years of hands-on experience building production web applications at Intervest Software Technologies, working across React, Next.js, TypeScript, and Tailwind CSS. Experienced in component architecture, Redux state management, REST API integration, and CMS-driven development using Magnolia. Completed a NLP final year research project spanning neural machine translation, FastAPI backend development, and Next.js frontend integration. Comfortable working in agile teams alongside designers, backend engineers, and QA.

WORK EXPERIENCE

Associate Software Engineer

Intervest Software Technologies | June 2025 - Present

- Developing production features and UI components within an established React and Next.js codebase, working from Figma designs through to integrated, tested output.
- Developed reusable components and integrated REST APIs with client-side and server-side data handling
- Collaborated with design, backend, and QA teams to ship user-focused features
- Contributed to debugging, performance improvements, and code quality standards

Software Engineering Intern

Intervest Software Technologies | May 2024 – May 2025

- Built reusable, responsive UI components from Figma designs using React and Next.js
- Integrated Magnolia CMS for dynamic content and wrote unit tests for component reliability
- Maintained code quality with ESLint, SonarQube, and agile code review workflows

PROJECTS

Low-Resource Sinhala–Tamil Neural Machine Translation Final Year Project

Python | PyTorch | Hugging Face | mBART-50 | FastAPI | Next.js | TypeScript | BLEU | chrF| FLORES-200

Sep 2025 - May 2026

- Designed and evaluated a low-resource NMT system using mBART-50, covering end-to-end pipeline: dataset preparation (~25K parallel pairs), leakage-aware preprocessing, and stable baseline fine-tuning.
- Conducted exploratory MASS-style continued pretraining experiments with reproducible three-seed BLEU/chrF evaluation and FLORES-200 external testing; documented mixed findings with honest analysis of limitations.
- Built a local FastAPI + Next.js prototype for translation testing and metrics visualisation, demonstrating full-stack integration of a research model.

Travel Amigo — Sri Lanka Trip Planning App

Next.js 16 | TypeScript | Redux Toolkit | RTK Query | React 19 | Tailwind CSS v4

February 2026 - Present

- Architected a feature-slice Redux store (4 slices) with strict separation of concerns
- Built a 564-line zero-dependency itinerary engine handling interest filtering, pace control, time-slot scheduling, and budget modelling
- Resolved SSR hydration mismatch in Next.js App Router; replaced redux-persist with a custom localStorage hook
- Implemented dual-track generation pipeline (RTK Query + local fallback) for API degradation handling
- Delivered 7 routes, 50-place dataset, inline editing, shareable links, PDF export, and WhatsApp share

PROJECTS

Rawula LK – Salon Booking & Queue Management Microsite **March 2026**
Next.js | Vercel | GA4 | SEO

- Designed and developed a conversion-focused marketing microsite for a Sri Lankan salon booking and queue management platform targeting barbershops and grooming studios.
- Built multi-page site (Home, Features, Pricing, Book a Demo) using Next.js, deployed on Vercel
- Integrated GA4 with custom event tracking — demo form submissions, CTA clicks, WhatsApp clicks, scroll depth, and page views
- Implemented end-to-end SEO strategy: keyword research, on-page optimisation, audience segmentation, and lead-capture funnel planning
- Addressed core business pain points: missed appointments, queue visibility, and booking management inefficiencies

Personal Portfolio Website **August 2024**
Next.js | TypeScript | Tailwind CSS | Framer Motion | ESLint

- Built a fully responsive portfolio using Next.js App Router with animated UI via Framer Motion; styled with Tailwind CSS and enforced code quality with ESLint
- Implemented SEO best practices including metadata optimization, Open Graph tags, and semantic HTML for improved search visibility

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EDUCATION

BSc (Hons) Computer Science **Sep 2022 - Sep 2026**
University of Westminster, UK (delivered via Informatics Institute of Technology, Sri Lanka)

GCE Advanced Level - Mathematics Stream **Jul 2019 - Feb 2022 (2021)**
Royal College, Colombo 07

SKILLS

Frontend: React, Next.js (App Router), TypeScript, JavaScript, HTML5, CSS3, Tailwind CSS, Framer Motion
State Management & Data: Redux Toolkit, RTK Query, REST APIs
Testing & Code Quality: Jest, ESLint, SonarQube
Tools & Platforms: Git, Figma, Magnolia CMS, Vercel, GA4
Research & Prototyping : Python, FastAPI, PyTorch, Hugging Face
Certifications: Meta Front End Developer Professional Certificate (in progress)

REFEREES

Shameer Sheriff | Senior Application Developer

AOT Technologies
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Nethmi Wijesinghe | Visiting Lecturer

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