

Ayush Kumar

Computer Science & IT Management Graduannd | Full-Stack Developer & UX Designer
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WORK EXPERIENCE

Full Stack Developer Web Development & Consulting Club

Apr 2026 - Present

- Contributed to the club's public website, a Next.js 15 / React 19 / TypeScript build with a self-hosted Payload CMS on PostgreSQL, letting the committee manage events, trip reports, river guides and galleries without touching code.
- Built the video highlights feature end to end CMS collection, cached data layer and gallery carousel

UX Designer, Auckland University Esports (AUEC)

Apr 2026 - Present

- Designing the club's website in Figma, taking Home, Events, Sponsors, Team and About from hand-drawn wireframes through to high-fidelity mockups in a dark, esports-oriented visual style.
- Built a reusable component library and specified hover and card interaction states so the layouts hand off to developers as a consistent, buildable system.

EDUCATION

Bachelor of Science

Feb 2023 - Jun 2026

Majors: Computer Science and IT Management

University of Auckland

PROJECTS

Human Nutrition Unit Website

- Technologies:** Next.js, TypeScript, React, Tailwind CSS, Payload CMS, Neon, PostgreSQL, AWS, Vercel
- Contributed 128 commits as one of 7 developers building a public-facing website for a university research institute, shipped to production and handed off to non-technical staff.
- Implemented multi-language support end-to-end: language-based routing under a [lang] route segment, a shared React language context, and locale-aware Payload CMS queries, so every page served localized content from one content model.
- Built the contact system end-to-end. CMS-backed page content, Zod validation, and a server action routing each enquiry type to a different department mailbox.
- Engineered an async background worker for research CSV export, replacing a blocking request that couldn't handle large datasets, with live progress reporting in the CMS admin so staff could track long-running exports.
- Modelled the Studies collection and built its public templates (listing, detail, preview, action sections), letting staff publish new research studies without developer involvement.

Auckland Uni Canoe Club Website (WDCC)

- Technologies:** Next.js, TypeScript, React, Tailwind CSS, Payload CMS, PostgreSQL, Vitest, Docker, Fly.io
- Contributed the video highlights feature to an open-source club website across 3 merged pull requests, from CMS schema through to the rendered UI.
- Designed a Payload CMS collection with role-based access control and lifecycle hooks that invalidate Next.js cache tags on edit or delete, so committee members' content changes appear without a redeploy.
- Wrote a URL normaliser converting YouTube,youtu.be, and Vimeo links into embed URLs with safe handling of malformed input, and covered it with 9 unit tests including iframe accessibility attributes and fallback rendering.

QR Code Generator

- Technologies:** Python, Flask, Next.js, TypeScript, React, Tailwind CSS, Render
- Built and deployed a full-stack QR code generator solo. A Flask REST API paired with a Next.js/TypeScript frontend offering live preview and colour customisation.

TECHNICAL SKILLS

Programming Languages: Python, Java, TypeScript, JavaScript, C#, SQL

Frontend: React, Next.js, Tailwind CSS

Backend & APIs: .NET, Flask, RESTful APIs, Prisma

Databases: Neon, SQLite, MongoDB, PostgreSQL

Cloud / DevOps / Tools: AWS, Vercel, Git/GitHub, CI/CD, ViTest, Pandas, Excel