

Vanaj Krishna Moorthy
Full Stack Software Engineer
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EDUCATION

University of St Andrews — *BSc. in Computer Science (with honours)*

September 2020 — June 2024

First class degree classification

Dean's List 2021, 2024 for academic excellence

TECHNICAL SKILLS

Languages: Java, JavaScript, TypeScript, HTML, CSS, Python, SQL

Tools and Frameworks: React, Next.js, Vue, Nuxt, React Native, ExpressJS, Django, MongoDB, MySQL, PostgreSQL, Git, AWS

WORK EXPERIENCE

Alvie Health — *React Native | Jest | Python*

April 2024 — Present

Software Engineer

- Spearheaded the development of the Alvie mobile app, achieving 100% test coverage using TDD with Jest and implementing comprehensive end-to-end tests.
- Engineered automation scripts to accurately transcribe patient calls, reducing human error by 40%, and synchronised Microsoft Bookings with Twilio to automatically send text reminders, improving patient engagement by 35%.
- Leveraged AI technology to fine-tune a LLaMA instance, processing over 1000 call transcriptions to create an efficient query system for health coaches.
- Orchestrated the migration of the company's custom CRM to Microsoft Dynamics, successfully onboarding 100% of team members.

Freelance Web Developer — *Nuxt | VueJS*

September 2023 — April 2024

- Engineered a portfolio [website](#) for an architecture firm using NuxtJS and Prismic, driving a 200% surge in monthly visitors and a 50% boost in client referrals.
- Designed and implemented a [website](#) for a bariatric surgeon's private practice using VueJS, generating a 30% increase in patient referrals.

Alvie Health | [Website](#) — *HTML | CSS | JavaScript | Jest*

April 2022 — September 2023

Software Engineer Intern

- Executed a complete redesign of the landing page, resulting in a 25% increase in user retention time.
- Conducted rigorous testing of the Alvie mobile app, identifying and resolving 5+ critical bugs, improving app stability by 30%.

The Orange Yak Co | [Website](#) — *NextJS | ReactJS | Django | Postgres*

April 2020 — April 2022

Co-founder, Web Developer, UI/UX Designer

- Founded and scaled the company from 2 to 15+ team members, acquiring 30+ clients worldwide within 2 years. Led client acquisition and learnt how to negotiate and close large deals, alongside communicating with clients.
- Developed and delivered 10+ high-impact web applications for venture capital firms, resulting in an average 40% improvement in their internal processes.
- Developed a full-stack e-commerce platform for second hand clothes using Django on the backend and implemented a complex front-end to serve the platform using ReactJS.
- Designed and implemented the front-end for a "Knowledge Hub" using ReactJS for Beenext Partners where VCs could collate and share documents, reports and other resources on startups and founders in one convenient place to better help them make investment decisions.

ACT Grants | [Website](#) — *Wordpress, ExpressJS*

April 2020 — April 2022

Web Developer

- Orchestrated communication between 70+ stakeholders, ensuring 100% alignment on project goals and timelines.
- Developed and launched a high-performance donation page that processed over 1 billion INR in donations from 80,000 weekly visitors, achieving a 5% conversion rate.

PROJECTS

PuzzleFlix — [github](#) | [demo](#)

A complete web application for making and playing puzzle games such as sudoku and the eights puzzle. Built by a team of 5 in ExpressJS and ReactJS with MySQL as a database for my third-year software engineering project using SCRUM and Agile methodologies.