

Nandan Patel

✉ nandan.jp17@gmail.com | 🌐 [github.nandanjp.io](https://github.com/nandanjp) | 🌐 github.com/nandanjp | in [linkedin.com/in/nandan-patel-3026ab227](https://www.linkedin.com/in/nandan-patel-3026ab227)

SKILLS

Languages TypeScript, JavaScript, C++, C#, Java, C, Python, Swift, Haskell, Dart
Frameworks React, Next.js, Angular, ASP.Net, MongoDB, SQL, Express.js, SwiftUI, Flutter, Tailwind CSS, Git

SOFTWARE PROJECTS

[Admin Analytics](#) - [MongoDB](#), [Express.js](#), [React](#), [JavaScript](#), [Redux](#), [REST](#), [SASS](#), [Material-UI](#)

- Implemented a **fullstack admin panel** allowing admin users to view **clients**, **client transactions**, and **client trends**
- Integrated **Material-UI** using **React** as the **front-end** framework to display and integrate pie-charts, trend charts, product detail pages, fully functional maps, **pagination**, and an **adaptive layout** that provides both a **light and dark mode**
- Deployed using **Express.js** on the **backend** to communicate with a **MongoDB database** through a **REST API**

[Natours](#) - [MongoDB](#), [Express.js](#), [JavaScript](#), [HTML](#), [CSS](#), [PUG](#), [REST](#), [Stripe](#)

- Developed a full-stack website complete with **user registration** and **authentication**, **server-side pagination**, **payment processing**, and **file uploading**
- Designed a **MongoDB database** and employed an **Express.js backend** that used **CRUD** operations on a custom **REST API**
- Utilized **server-side rendered templates** created using **PUG** as the **HTML template engine** to serve light-weight webpages, including product and user pages, on the **front-end**

[Flexing CSS](#) - [HTML](#), [CSS](#), [SASS](#), [Figma](#)

- Designed and deployed beautiful, **fully responsive**, **front-end** web applications utilizing **CSS** best practices and design principles such as **CSS Flexboxs**, **CSS Grids**, and **Media Queries**
- Implemented the **SASS** CSS pre-processor to incorporate custom **CSS animations**, **modals**, and **responsive design** principles to create appealing applications usable on multiple devices

PROFESSIONAL EXPERIENCE

Mathematics and English Assistant Teacher

Jul 2019 - Aug 2022

Kumon, Calgary, Alberta

- Guided, assessed, and developed mathematical, language, and reading proficiency skills in **100 students** aged 5-18
- Built rapport with students to cater to individual learning and worked on building fundamental and advanced skills by working together through **1000s of problems** varying in difficulty, from basic arithmetic to university-level Calculus for example
- Assisted in the marking of **100s of students** work and in providing guidance especially in explaining theoretical concepts

Programming Assistant

Jul 2020 - Aug 2020

Launchpad Learning, Calgary, AB

- Built rapport with **7 students** and guided them through fundamental programming concepts and their implementation in Python, including loops, conditions, functions, IO, and simple data structures such as arrays
- Tested **25 simple coding challenges**, such as writing a program to test if a number is prime or a leap year
- Supplied students with extensions to fundamental programming ideas, such as using simple concepts to create the snake game

AWARDS

Euclid Honour Roll May 2022

University of Waterloo

Awarded recognition in the **student honour role** for the University of Waterloo's **Euclid Contest**.

CCC Top 25% Feb 2022

University of Waterloo

Awarded distinction for placing in the **top 25%** in the University of Waterloo's **Canadian Computing Competition**.

EDUCATION

Bachelor of Software Engineering

Sep 2022 - Apr 2027

University of Waterloo, Waterloo, ON

1A Term Average: 93%

Sep 2022 - Dec 2022

University of Waterloo, Waterloo, ON