# Marmik Patel

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## Education

**University of Saskatchewan**. Saskatoon, Canada                      September 2021 - May 2025

Bachelor of Science, Computer Science. GPA: 3.9/4.0

Relevant Courses: Data Structures & Algorithms, Object-Oriented Programming, Full Stack Web Development, Computer Architecture, Programming Language Paradigms, Software Engineering

## Technical Skills

**Programming languages**: JavaScript, Python, Java, SQL, HTML, CSS, TypeScript, PHP

**Frameworks, Libraries, Tools**: React.js, Git, Node.js, MongoDB, Docker, Unix/Linux

## Experience

**Software Engineer**                                                    May 2024 - Present

Agent. San Francisco, CA

- Engineered a platform using **TypeScript** and **React.js**, where job seekers hire professionals to apply to jobs on their behalf, driving **28,000 impressions**.
- Designed and implemented architecture for managing job applications, payment transactions, and user profiles using **Firebase** and **MongoDB**, supporting 43 users.
- Crafted a job-seeker dashboard displaying payment information, application analytics, and account details, increasing user engagement by 18%.

**Software Engineer Intern**                                          May 2023 - April 2024

7shifts Inc. Toronto, Canada

- Developed a tip distribution software for restaurants using **React.js**, **TypeScript**, **MySQL**, and PHP, allowing **14,133 employees** to receive **$40,300,000 in tips**.
- Built new **REST API** endpoints to enable 274 companies to automatically discontinue services, saving two hours per week in manual offboarding.
- Implemented new front-end components for the company's UI toolkit, leading **140 new users** to discover the payment product and increasing landing page views by 380%.

**Software Developer Intern**                                        May 2022 - August 2022

Infokidz Academy Inc. Edmonton, Canada

- Architected a full-stack web app to advertise the company's tutoring services using Express.js, **React.js**, **Node.js**, and **MongoDB**, increasing student registration by **400%**.
- Leveraged an **AWS S3** bucket to store academic worksheets, providing students with quick access to hundreds of practice questions.

## Projects

**LLM-Powered RAG File Search**

7shifts Inc. Toronto, Canada

- Integrated **10,000+ internal files** with the company's **AI language model** using **RAG, Python** and the **GitHub API**, allowing **302 employees** to access company information through conversations.

**Long Covid Study Participant Portal**

Vaccine and Infectious Disease Organization. Saskatoon, Canada

- Engineered a dashboard that displays Covid statistics for a **$20,000,000 research study** using **TypeScript** and **PostgreSQL**, allowing 650 study participants to view their data.