

# Marmik Patel

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## Education

**University of Saskatchewan.** Saskatoon, Canada

Expected December 2025

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

- Relevant Courses: Data Structures & Algorithms, Object-Oriented Programming, Full Stack Web Development, and Software Engineering.

## Technical Skills

JavaScript, Python, Java, React.js, SQL, HTML/CSS, Git, Node.js, PHP

## Experience

**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%.
- Integrated a third-party financial service, Plaid, into the app to let users link their bank accounts, reducing initial payment wait time by **60%**.
- Designed over 50 new unit and end-to-end tests using Jest and Playwright, increasing coverage of critical user flows by 17%.

**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 over **10,000 internal files** with the company's **AI language model** using **RAG** to store vectorized embeddings, allowing **302 employees** to access company information through conversations.
- Shifted the file scraping process to GitHub's servers using **Python** and the **GitHub API**, cutting processing time from five hours to three minutes.

**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**, allowing 650 study participants to view their data.
- Enabled administrators to upload research spreadsheets using **TypeScript**, **PostgreSQL**, and **Next.js**, parsing over 1,000 study surveys.