

# MARMIK PATEL

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## EDUCATION

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### University of Saskatchewan

Sept 2021 - Apr 2025

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

*Saskatoon, SK*

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

## EXPERIENCE

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### 7shifts Inc.

May 2023 - Present

*Software Engineer Intern*

*Toronto, ON*

- Developed full-stack tip distribution software for restaurants using **React.js**, **TypeScript**, **PHP**, and **MySQL**, allowing employees to receive over **\$10,000,000** in tips.
- Automated restaurant location removal using a new API endpoint and a survey-based frontend workflow, saving two hours per week in manual offboarding.
- Implemented a modal for managers to adjust tip payments, ensuring 3820 restaurant staff receive appropriate wages.
- Integrated Plaid into the web app to allow users to link their bank accounts, reducing initial payment wait time by 250%.
- Tested the application with **Jest** and **Playwright**, ensuring authorization and data validation.

### Infokidz Academy Inc.

May 2022 - Aug 2022

*Software Developer Intern*

*Edmonton, AB*

- Architected a full-stack web application to advertise the company's services using **React.js**, **Node.js**, **Express.js**, and **MongoDB**, increasing registration by 400%.
- Designed server-side logic to store academic worksheets in an **AWS S3** bucket, providing hundreds of practice questions to students.
- Automated the company workflow to register students, saving 15+ annual hours of work.
- Implemented user authentication using Google OAuth 2.0 and PassportJS, securing vital functionality.

## PROJECTS

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### Long Covid Study Participant Portal

Jan 2023 - Apr 2023

- Engineered a Covid data dashboard in a team of nine for a **\$20,000,000 research study**, displaying statistics for 650 study participants.
- Implemented CSV parsing and data upload for administrators using **TypeScript**, **Next.js**, and **Supabase (PostgreSQL)**, categorizing data for over 1000 study surveys.
- Documented a test plan and traceability matrix, and used it to implement **Cypress system tests** and practice **TDD with Jest**.

### Relatable

Sept 2022 - July 2023

- Developed a university course catalog using **Python**, **Django**, **React.js**, and **MySQL**, reinventing the course registration process for students.
- Integrated the backend to the frontend by creating a REST API, displaying 4734 courses.
- Remodelled the database to handle unstructured data, eliminating two weeks of additional tasks.

## TECHNICAL SKILLS

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**Languages:** Java, JavaScript/TypeScript, Python, SQL, PHP, HTML/CSS

**Technologies:** React.js, Node.js, MySQL, Express.js, Next.js, Django, Docker

**Developer Tools:** Git, Unix/Linux, Jest, Cypress, Playwright, PHPUnit, AWS S3