MARMIK PATEL

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EDUCATION

University of Saskatchewan   Sept 2021 - June 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

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 **$15,000,000** in tips.
- Built new API endpoints to enable companies to automatically discontinue services, saving two hours per week in manual offboarding.
- Integrated Plaid into the web app to allow users to link their bank accounts, reducing initial payment wait time by 60%.
- Implemented a new marketing banner for the company's component library, leading 140 new users to discover the payment product.
- Tested the application with over 50 new **Jest** unit and **Playwright** end-to-end tests, increasing coverage of critical user flows by 17%.

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.

PROJECTS

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
- Revamped the university course catalog to display prerequisites and dependencies using **Python, Django, React.js**, and **MySQL**, simplifying the course selection 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

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