

# Deep Parmar

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## EDUCATION

### University of Waterloo

Sep 2020 – Apr 2025

*Bachelor of Computer Science*

*Waterloo, ON*

- **GPA:** 3.9/4.0
- **Relevant Courses:** Object-Oriented Software Development, Algorithms, Operating Systems, Data Structures and Data Management, Computer Networks, User Interfaces, Database Management, Functional Programming

## EXPERIENCE

### TD Bank

Jan 2023 – Apr 2023

*Software Engineer Intern*

*Toronto, ON*

- Developed and implemented a dictionary feature on a chrome extension, utilizing **TypeScript**, **React**, and **NodeJS** to integrate **ChatGPT** to easily define/summarize texts, meeting accessibility needs for **6000+ users**
- Utilized **RxJS** observables to implement reactive programming, resulting in improved scalability and maintainability
- Developed end-to-end automated tests using **Cypress** testing tool, resulting in a **30%** reduction to manual testing
- Won **first place** in a hackathon competition with **10+ teams**, and pitched the idea to a panel of executives

### Spotwork

May 2022 – Aug 2022

*Mobile Engineer Intern*

*Toronto, ON*

- Led the development of a new waitlist feature for a mobile/web application that handles filling in job postings using **Flutter**, **Dart** and **Firebase Cloud Functions**, resulting in **98%** of the jobs being filled in daily
- Implemented **dynamic rendering and pagination** using Firebase to reduce server load by as much as **500%**
- Improved overall app performance by **300%**, via streamlining the data retrieval process to using subcollections
- Operated in 2 week long sprints in an **Agile** environment using a ticketing system organized through a **JIRA** board

### Exponet Canada Inc.

May 2021 – Aug 2021

*Software Engineer Intern*

*Toronto, ON*

- Developed a multi-step scanning feature to ensure the product is packaged and shipped correctly, saving the shipping team over **10 hours/week**, and preventing over **\$1,000/month** in losses due to logistical errors
- Implemented **Spring Boot** backend for automated product report generation and retrieval for **200+ products**
- Decreased fetch time of server data by **30%** by using React Hooks and handling state management with **Redux**

### CheaprEats

July 2020 – Aug 2020

*Software Engineer Intern*

*Toronto, ON*

- Designed and implemented offline functionality into vendor terminal website using **React** and **GraphQL**
- Performed **test-driven development** using **A/B testing** to develop new features, ensuring **80%** code coverage

## PROJECTS

### YelpCamp 🍷 | *JavaScript, React, Node, MongoDB, Express, Mongoose, Passport*

- Developed a full stack application using the **MERN stack** where users discover and review campgrounds
- Built a **REST API from scratch** to perform CRUD operations for users, campgrounds, comments and reviews
- Designed a responsive front-end using Bootstrap and implemented **client-side** and **server-side data validation**

### ShareMe 🍷 | *JavaScript, React, Sanity, Tailwind*

- Developed a full stack social media web app with **React/Sanity/Tailwind** where users share photos and videos
- Managed state of application and stored user data using **Sanity's cloud storage**, and deployed using **Netlify**

### Chess 🍷 | *C++, XWindow*

- Created a full chess game using OOP principles in C++ with a GUI using the **XWindow** graphics library
- Implemented a **computer AI** with a **4-level difficulty** that players can select to challenge and play against

### Chatbot Payment System 🍷 | *Python*

- Developed a secure money transfer chatbot using **Paypal** and **Twilio API**, and **Docker** for efficient deployment

## TECHNICAL SKILLS

**Languages:** Python, C/C++, JavaScript, TypeScript, Kotlin, Dart, SQL, Bash, HTML/CSS, R

**Frameworks/Technologies:** React, Node.js, Flutter, Spring Boot, Firebase, MongoDB, MySQL, Git, Jira, Cypress