

# GURSHAN SIDHAR

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## Education

### Wilfrid Laurier University

*Bachelor of Science in Computer Science, Minor in Statistics, Co-op Program*

Waterloo, ON

Sep. 2023 – Aug. 2027

- **Clubs:** Laurier Computing Society
- **Related Credits:** Data Structures 1 and 2, Object Oriented Programming, Microprocessors, Advanced Calculus (1, 2, and 3), Discrete Mathematics, Linear Algebra

## Technical Skills

**Languages:** Python, Java, JavaScript, HTML, CSS, C, R

**Frameworks:** React, Next.js, Tailwind, Node.js, FastAPI

**Developer Tools:** Linux, Git, GitHub, Docker, Markdown, Visual Studio Code, PyCharm, Eclipse

**Libraries:** SpaCy, pdf-lib, PyDantic, Leaflet, Socket

## Projects

### 🐙 LuckyLease | Web Application      *Next.js, Tailwind, Typescript Express.js, Supabase, Socket.io, PostgreSQL*

- Developed a **web-based sublet marketplace** using **Next.js 14** and **Supabase PostgreSQL**, enabling students and interns to efficiently **search, list, and filter** sublets in **under 24 hours**.
- Engineered **Lucky Opinion AI** leveraging the **Google Gemini API** to analyze listing attributes, compute **compatibility ratings (0–10)**, and generate detailed **pros and cons** for informed decision-making.
- Implemented **JWT-based authentication** with **email/password signup** and secure **session management** to protect user data and streamline account access.
- Integrated **Socket.io real-time chat** and **interactive mapping**, allowing seamless **messaging** and intuitive, location-based **property discovery**.

### 🐙 CVLens | Web Application      *Python, Next.js, Tailwind, FastAPI, SpaCy, Docker, Git*

- Developed a **web app** that extracts structured data from uploaded resumes (**PDF/DOCX**) to automate the application process, eliminating the need for manual data entry.
- Built a **NLP model** with SpaCy (NER) to accurately extract resume details, creating a dataset of over 200 resumes.
- Built a **RESTful API** with FastAPI to process uploads and serve structured JSON responses.
- Designed a clean, **easy-to-use frontend** using Next.js that fetches data from the API gateway.

### 🐙 Poke-Pal | Full-Stack Web App      *Python, JavaScript, HTML, FastAPI, Tailwind, Next.js, PokéAPI, Git*

- Built a **full-stack web app** with a Pokedex-style interface that matches your personality to a Pokémon.
- Engineered a **custom backend** integrating the Gemini AI API to analyze user responses and extract personality traits.
- Fetched data from PokéAPI to display the matched Pokémon's image, stats, abilities, and a concise explanation of why it fits you.
- Designed an interactive, responsive questionnaire UI in React and Tailwind to ensure an engaging user experience.

## Experience

### Sales Floor Team Member

July 2021 – Aug 2024

*Longo's CO*

*Brampton, ON*

- Ensured **safe work environment** by adhering to protocols, enhancing the **customer experience**.
- Enhanced **communication** with colleagues and customers, ensuring **clear service**.
- Optimized workflow by **collaborating** with team members for **improved efficiency**.
- Demonstrated **adaptability** and **problem-solving** under pressure.

### Field Organizer Volunteer

Oct 2024 – Feb 2025

*Local Political Riding*

*Brampton, ON*

- Coordinated **community outreach**, recruiting and training **volunteers** for campaign initiatives.
- Managed data collection and analyzed **voter demographics** to optimize campaign **strategies**.
- Collaborated with campaign leadership to develop **messaging strategies** and mobilize key voter groups.
- Organized **canvassing events**, boosting **voter engagement** and turnout.