

# Roheen Ghafuri

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## Skills & Interests

**Languages:** Java, Python, C/C++, JavaScript, HTML, CSS, Unix, Linux, Perl, SQL

**Frameworks:** React, Node.js, Spring Boot, Django, Angular

**Developer Tools:** Git, Bash, Github, PostgreSQL, MySQL, VS code, Notepad++, JUnit

## Education

**University of Ottawa**

**Sep. 2024 – 2028**

*Bachelor of Applied Science in Software Engineering (CO-OP)*

*Ottawa, Ontario*

**Relevant Coursework:** Intro to Computing I (Python), Intro to Computing II (Java), Discrete

Mathematics for Computing, Intro to Product Development, Intro to Web Development

## Projects

**TaskMaster To-Do App** | *Python, FastAPI, PostgreSQL, React, JavaScript, HTML, CSS*

**Sept. 2025**

- Built a **full-stack** TaskMaster app with **FastAPI, PostgreSQL, and React, using JS, HTML, and CSS** for a responsive to-do interface.
- Built database models and **CRUD** endpoints using **SQLAlchemy**, improving efficiency in task workflows.
- Structured the project with modular components (routes, models, database) to ensure **scalability**.

**SignFlow uOttHack** | *HTML CSS JavaScript*

**Jan. 2025**

- Developed an interactive web application that translates user-inputted sentences into sign language with images within **36 hours**.
- Designed a responsive UI to improve accessibility for **466 million** deaf and hard-of-hearing individuals worldwide.
- Collaborated with a **4-person team** to implement real-time translation and optimize performance, refining over **500 lines of code** during the hackathon.

**OPS Safety** | *HTML CSS JavaScript*

**Nov. 2024**

- Developed an interactive web application to **enhance public safety** in urban areas.
- Integrated a GPS feature** for users to rate and comment on safety levels in specific locations, providing real-time alerts for incidents.
- Collaborated** with a team to **integrate mapping features** that categorize safety reports based on crime, traffic, and health incidents.

**Parking Lot Simulator** | *Java*

**Jan. 2025**

- Developed a simulator to represent parking lot designs and occupancy using object-oriented programming principles.
- Designed functionality to parse structured input files into 2D arrays for 'lotDesign' and 'occupancy', enforcing parking rules.
- Optimized the simulator to handle multiple scenarios, ensuring adherence to parking regulations and layout constraints.

## Professional Experience

**Primedetails**

**May 2022 – Sept. 2025**

*Founder/Operator*

*Ottawa, Ontario*

- Launched and managed** a mobile car detailing business serving a growing client base.
- Built a strong reputation through consistent five-star reviews and **customer satisfaction**.
- Enhanced **problem-solving** and **time management skills** while addressing diverse client needs.

**Capital Elite Painting**

**Mar. 2024 – Jul. 2024**

*Marketing Manager*

*Ottawa, Ontario*

- Led a team** to develop and execute marketing strategies, enhancing brand visibility and engagement.
- Developed and executed targeted marketing strategies that generated over **40,000** in leads within five months.
- Mentored team members in digital marketing tools, promoting skills development and **effective teamwork**.