

KHUSHI PATEL

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Objective:

Aspiring software engineer with a strong foundation in programming languages like Python, Java, and C++. I'm passionate about writing efficient code and solving problems. Eager to apply my skills to help improve AI models and contribute to real-world projects by evaluating and optimizing code. I look forward to gaining valuable experience and learning from hands-on work with cutting-edge technologies.

Highlights of Skills and Qualifications:

- **Programming Languages:** Proficient in Python and C++, Intermediate in Java and MySQL.
- **Developer Tools:** Visual Studio Code, IntelliJ IDEA, GitHub, Bootstrap, Sublime Text, Visual Paradigm
- **Web development:** Developed multiple responsive websites using HTML, CSS, JavaScript, and libraries, showcasing my skills in front-end development and version control with Git.
- **Data Analysis & Visualization:** Visualized data using Python (sinusoidal wave graphs) and Excel (Gantt charts for project timelines).
- **Communication:** Facilitated team projects through regular meetings, boosting efficiency by 50%.
- **Time Management:** Managed project timelines using Gantt charts, consistently completing tasks ahead of deadlines while adapting to changing requirements and enhancing efficiency.
- **Product Management:** Conducted market pricing analysis and developed marketing materials.
- **Research & Innovation:** Conducted market analysis and academic reports, demonstrating strong research, organisational and analytical skills.
- **Languages:** Fluent in English; basic proficiency in French.

Education:

Bachelor of Software Engineering (with Co-op)

(Second Year Student)

Ontario Tech University, Oshawa, Ontario

Anticipated Graduation: 2027

- **GPA:** 4.03 / 4.30
- **Honors:** Dean's List (Fall 2023), President's List (Winter 2024, Fall 2024)
- **Relevant Courses:** Intro to Engineering, Intro to Programming, Web Development, Data Structures & Algorithms (Winter 2025)

Technical Projects:

1. **Portfolio Website:** Developed a personal portfolio website using HTML, CSS, and Bootstrap, ensuring responsiveness and visual appeal, effectively showcasing my skills and projects.
2. **PyBaseConverter:** Created a Python tool for converting rational numbers between binary, decimal, and hexadecimal formats with an intuitive interface & input validation.
3. **Engineering Design Project - Scissor Lift**
Led the design and development of a scissor lift. Managed project tasks via a Gantt chart and conducted a budget analysis. Evaluated design efficiency using an interactive ranking sheet and coordinated the product building cycle, including market pricing and marketing materials.
4. **Sine Wave Graph (Python):** Developed a Python-based graph for visualizing sinusoidal waves, as part of an academic project.

Volunteer / Extra Curriculars:

Level One Ambassador

Nov 2023-present

Ontario Tech University, Oshawa, Ontario, Canada

- Completed training on leadership, teamwork, and effective communication, while gaining insights into equity, diversity, and inclusion. Developed leadership qualities while representing the university at various events.

Vice president of Rotary club

2018

New Era Senior Secondary School, Gujarat, India

- Organized fundraising events, assisted the President with meetings, led community initiatives, and represented the institution at various events, including public awareness street plays.

Reverse Career Fair Participant

Oct 2024

- Showcased personal portfolio and gained insights into career opportunities by engaging with industry professionals.

Peer Mentor

Winter 2025

- Set to guide incoming students by connecting them with university resources and fostering empathetic communication, interpersonal skills, and problem-solving abilities.

Certificates:

- Advanced French course (Completed: August 2023)
- Web Development Bootcamp (Ongoing on Udemy)