

# Kanishk Saini

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## TECHNICAL SKILLS

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

**Frameworks:** React.js, Angular, Node.js, Next.js, React Native, Scrum

**Tools :** Git, Docker, Google Cloud Platform, VS Code, WSL, Eclipse, Visual Studio

**Soft Skills :** Team Leadership, Agile Methodologies

## EDUCATION

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### University of Windsor

Windsor, CA

*Bachelor of Science Honours Computer Science with Software Engineering Specialization*

*Sep. 2021 – Apr. 2025*

## EXPERIENCE

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### Web Development Intern

Sep. 2023 – Dec. 2023

*University of Windsor*

*Windsor, CA*

- Modified and improved CSS and JavaScript to enhance the official **future.uwindsor.ca** website's design, layout, and responsiveness by **30%**.
- Developed responsive web applications using React.js, enhancing UI/UX by **30%**.
- Implemented REST APIs and optimized frontend performance, reducing load times by **40%**.

### Teaching Assistant

Jan. 2024 - Present

*University of Windsor*

*Windsor, CA*

- Assisted in teaching and grading for courses: Theoretical Fundamentals of Computer Science under Dr.Tsin, Computer Graphics with C++, and Key Concepts of Computer Science to assist over **300+** students.

### Research Assistant

Sep. 2024 - Apr. 2025

*University of Windsor, Supervised by Prof. Dr. Asish Mukhopadhyay*

*Windsor, CA*

- Developed Python algorithms to generate over **100** outerplanar graphs uniformly at random.
- Conducted comprehensive literature reviews of **30+** research papers to enhance algorithm efficiency by **20%**.

## PROJECTS

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### Chatbot Implementation | *Node.js, Twilio, Google Calendar API*

Nov. 2024 - Feb. 2025

- Created an interactive chatbot capable of handling over 100 simultaneous calls and text inquiries, automating user information collection and processing over 2000 interactions per month.
- Implemented Google Calendar API to efficiently schedule and save over 300 important user-related dates and reminders monthly.

### Spiritual Knowledge | *Python, Flask, NLP, React*

Nov. 2024 - Feb. 2025

- Built a dynamic website providing spiritual guidance and answers derived from sacred texts like the Bhagavad Gita and Bible, responding to over **500** user queries.
- Implemented natural language processing (NLP) techniques to accurately understand user queries in both English and Hindi, achieving a comprehension accuracy of **95%**.
- Integrated a responsive React frontend, improving user satisfaction ratings by **30%** due to seamless interactions.

### Universal Code Translator | *Python, Flash, Streamlit, Heroku*

Oct. 2024 - Present

- Developed a code translator that converts code between multiple programming languages.
- Optimized API calls to reduce processing time by **40%**, ensuring fast and efficient translations.

### Sign Language Translator Web App | *Python, OpenCV, TensorFlow, React.js,*

Nov. 2024 - Present

- Developed a sign language translator that achieves 95% accuracy in real-time gesture recognition, translating over 100 words and sentences with less than 1 second latency for 200+ users.

## AWARDS & CERTIFICATES

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- President's Honour Roll
- Achieved 36th rank in the ICPC coding competition(2023) across Ontario, CA
- Recognized for innovative problem-solving in **NASA Space Apps** Challenge (2024)
- Google IT** Support Fundamentals Course Certificate