

# SUMER PUNJABI

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## EDUCATION

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**University of Windsor**, Windsor, ON, Canada  
Bachelor of Science, Computer Science (Honors)  
Minor in Mathematics  
GPA: 3.33

**Expected May 2024**

**Cathedral Vidya School**, Lonavala, MH, India  
International Baccalaureate Diploma

**June 2019**

**Relevant Courses:** Data Structures and Algorithms; Numerical Analysis for Comp. Sci; Object Oriented Programming using Java; Intro to Software Engineering; Applied Computer Security; Operating Systems Fundamentals; Artificial Intelligence Concepts

## SKILLS

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**Programming Languages:** Java, Python, Golang, C, C#, SQL, x86 Assembly, HTML, MATLAB

**Tools and Frameworks:** Git, Docker, Jenkins, MySQL, PostgreSQL, Postman, Unity

## EXPERIENCE

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**CarTrade.com**, Mumbai, Software Engineering Intern

**Jun 2021 - Apr 2022**

- Created automation scripting to build a dashboard for monitoring system metrics
- Developed a system for server-side authorization of user JWT tokens and efficiently storing them using Memcached
- Implemented unit testing for microservices using a custom-built testing tool

## PROJECTS

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**Gesture Detection System:** Developed a gesture detection system primarily to detect an open palm or closed fist. When a hand is placed in the region of detection, the UI will display if it is a closed fist or open palm or none of them. This project was further extended to play the Google dinosaur game. When the system detects a closed fist, the dinosaur jumps. Made using Python, OpenCV, Pillow, Numpy.

**Food Dictionary API:** Returns nutritional information such as calories, fat, serving size in JSON format when queried. The API is made using FastAPI and data is collected from different sources and stored in a MySQL database. The goal is to extend this project into an open-source website to provide important nutritional information to the world. The API is tested using Postman.

**Instagram Bot:** The bot runs as a cron job using Jenkins and uses the Instagram and Reddit API to select and share content from Reddit on Instagram. The content is chosen based on specific criteria, and the project utilizes Git for source control and a pull request code review model. The bot also responds to messages and comments.

## VOLUNTEER EXPERIENCE

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**Sanskara Club**, Mumbai, India, Volunteer

**Jun 2015 - Aug 2017**

- Volunteered at old age homes and orphanages

**Standard Chartered Marathon Fundraiser**, Mumbai, India, Runner

**Jan 2015**

- Ran the dream run marathon and raised \$3500 for various charities