

Sumer Punjabi

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SKILLS

Languages: Python, Java, C#, Go, C, JavaScript, HTML, CSS, Groovy
Frameworks: React, Flask, FastAPI, Selenium, Pandas, Tensorflow, Pytorch
Technologies: Git, Docker, Jenkins, Postman, Unity, Node.js, PostgreSQL, MySQL, REST API

EDUCATION

University of Windsor GPA 3.7
*Bachelor of Computer Science Honors, **Dean's List*** *Sep. 2021 - Expected Dec 2023*

EXPERIENCE

Teaching Assistant September 2023 - Present
University of Windsor *Windsor, ON*

- Instructing COMP-3110: Intro to Software Engineering
- Responsible for lab instruction, marking, and holding office hours for over 100 students

Software Engineer Intern June 2023 - August 2023
CarTrade Tech *Mumbai, IN*

- Developed a **Groovy** script to convert Jenkins freestyle jobs into pipelines using XML configurations
- Created **Python** scripts to backup Atlassian Data to **AWS** using web-scraping and API's
- Employed **C#**, **JavaScript**, **HTML**, and **CSS** to optimize the performance of multiple micro-services by 45%

Full Stack Developer Intern May 2022 - Aug 2022
Superblanks *Windsor, ON*

- Designed and developed a real-time dashboard using **React.js** and **Redux** to display website metrics
- Integrated **ML models** into a recommendation system for an e-commerce platform using **TensorFlow**
- Developed advanced **SQL queries** and indexing strategies to speed up data retrieval operations by over **60%**

Software Engineer Intern June 2021 - April 2022
CarTrade Tech *Mumbai, IN*

- Developed custom JWT authorization and authentication **.NET micro-service** using C#
- Created and deployed a service to upload data concurrently to **Prometheus** using **Go** and **Jenkins**
- Developed and employed a **custom unit testing** framework to thoroughly test various micro-services

PROJECTS

Accessible Object Detection App | *Flutter, Python, TensorFlow* Aug 2023

- Developed **Flutter** and Python app with TensorFlow for **real-time object detection**.
- Achieved an **82%** detection rate, ensuring accessibility for disabled users.
- Designed an intuitive UI with voice commands and screen reader compatibility.

Olympics API | *Python, FastAPI, Git, MySQL, Postman* Mar 2023

- REST API created to serve historic Olympics data
- Serves data about athlete, country, participation and medals
- Implemented **Unit Testing** using **Postman**

Encryption Service | *Python, Linux, Git, Docker* Feb 2023

- Developed Python application with **RSA and AES encryption** capabilities to secure user files and data
- Enabled users to encrypt and decrypt files and directories automatically during system startup and shutdown
- Simplified deployment across environments by creating a **Docker** container