SUMER PUNJABI

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EDUCATION

University of Windsor, Windsor, ON, Canada   **Expected May 2024**
Bachelor of Science, Computer Science (Honors)
Minor in Mathematics
GPA: 3.33

Cathedral Vidya School, Lonavala, MH, India   **June 2019**
International Baccalaureate Diploma

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

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

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

EXPERIENCE

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

Gesture Detection System: Developed a gesture detection system primarily to detect an open palm or closed fist. When a hand in 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 API is tested using Postman.

Code Monitoring Tool: Go-CodeMonitor is a code monitoring tool written in Go that collects data from Codacy metrics and uploads them to the Prometheus Gateway using GET requests. Once the data is uploaded to the Gateway, it can be easily visualized using Grafana dashboards. Go-CodeMonitor stores data on code metrics such as complexity, code coverage, and code smells. This data can be used to measure code quality, track project progress over time, and identify areas that require improvement.

VOLUNTEER EXPERIENCE

Sanskaar 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