


Sumer Punjabi

Software Engineer


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EXPERIENCE

- | | | |
|-----------------|---|-----------------------|
| 09/23 – Present | Teaching Assistant | University of Windsor |
| | <ul style="list-style-type: none">Instructing COMP-3110: Intro to Software EngineeringResponsible for lab instruction, marking, and holding office hours for over 100 studentsDemonstrated expertise in conveying complex concepts, particularly in concurrency and async programming, contributing to a 20% improvement in student comprehension | |
| 06/23 – 08/23 | Software Engineer Intern | CarTrade Tech |
| | <ul style="list-style-type: none">Developed a Groovy script to convert Jenkins freestyle jobs into pipelines using XML configurationsCreated Python scripts to backup Atlassian Data to AWS leading to 80% reduction in processing timeDesigned and deployed a database micro-service to view and edit internal databases, used by over 200 employees | |
| 05/22 – 08/22 | Full Stack Developer Intern | Superblanks |
| | <ul style="list-style-type: none">Designed and developed a real-time dashboard using React.js and Redux to display website metricsIntegrated ML models into a recommendation system for an e-commerce platform using TensorFlowDeveloped advanced SQL queries and indexing strategies to speed up data retrieval operations by over 60% | |
| 06/21 – 04/22 | Software Engineer Intern | CarTrade Tech |
| | <ul style="list-style-type: none">Developed a JWT authorization micro-service, achieving a 30% improvement in authentication response timesCreated a service to upload data concurrently to Prometheus using Go and Jenkins for over 1000 metricsDeveloped and employed a custom unit testing framework to thoroughly test various micro-services | |

EDUCATION

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|---------------|--|-----------------------|
| 09/21 - 12/23 | Bachelor of Computer Science Honors | University of Windsor |
| | GPA: 3.7/4.0 Dean's List | |

PROJECTS

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|------------------------------|--|--------|
| Flutter, Python, TensorFlow | Accessible Object Detection App | GitHub |
| | <ul style="list-style-type: none">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. | |
| FastAPI, Git, MySQL, Postman | Olympics API | GitHub |
| | <ul style="list-style-type: none">REST API created to serve historic Olympics dataServes data about athlete, country, participation, and medalsImplemented Unit Testing using Postman, achieving 100% test coverage | |
| Python, Linux, Git, Docker | Encryption Service | GitHub |
| | <ul style="list-style-type: none">Developed Python application with RSA and AES encryption capabilities to secure user files and dataEnabled users to encrypt and decrypt files and directories automatically during system startup and shutdownSimplified deployment across environments by creating a Docker container, reducing deployment time by 15% | |

TECHNICAL SKILLS

Languages – Python, Java, C#, Go, C, JavaScript, Groovy, Dart, HTML, CSS

Frameworks – React, Flask, FastAPI, Selenium, Pandas, TensorFlow, PyTorch, Spring Boot

Technologies – Git, Docker, Jenkins, Postman, Unity, Node.js, PostgreSQL, MySQL, REST API

LEADERSHIP

President | Indian Student Association – Led and Organized multiple events for Indian Students.

Under-Secretary-General | CIMUN – Oversaw technology integration by developing the event's website and managing all technical operations

