

# Thananjaya Sharma Dinesh

[Thanush38@outlook.com](mailto:Thanush38@outlook.com) (647)-819-8470 [thanushdinesh.com](http://thanushdinesh.com) [github.com/Thanush38](https://github.com/Thanush38) [www.linkedin.com/in/thanush-dinesh/](https://www.linkedin.com/in/thanush-dinesh/)

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## SKILLS AND PROGRAMMING LANGUAGE

- **Languages:** C++, C, C#, JavaScript, TypeScript, Java, Python, Golang, VBA, Assembly, Clojure
- **Front-End:** HTML, CSS, ReactJS, Redux, Angular, Bootstrap, Tailwind CSS
- **Back-End:** NodeJS, ExpressJS, MongoDB, MySQL, PostgreSQL, Rest API'S
- **Frameworks:** .NET, PYQT6, React native, Pandas, Matplotlib
- **Development Tools:** Git version control, GitHub, Terminal, Unix/Linux, Powershell, Docker, Azure, AWS
- **Skills:** Communication, Teamwork, Divergent Thinker, Problem-solving, Fast learner, Self-motivated, Attention to detail
- Deep understanding of algorithms, data structures, and Software Development Life Cycle Concepts

## EDUCATION

### BSc, Computer Science, Ontario Tech University, May 2026

- Cumulative GPA of 3.86
- President's List 2022-2023, 2023-2024

## Independent Projects

### Ecommerce Website, ReactJS and ASP.NET

[GitHub](#)

- Developed a full-stack ecommerce website featuring cart, checkout, order creation, and stripe for financial transactions
- Containerized application with docker and deployed to Azure

### Resume Convertor Script, Python

[GitHub](#)

- Created a script to convert DOCX resumes and cover letters into PDF format, and merge resume, cover letter, and transcript into a single file for streamlined submission
- Implemented functionality to store previous versions in a designated folder, ensuring all resumes are readily accessible and organized

### CodeBot Discord Bot, Golang

[GitHub](#)

- Developed a sophisticated Discord bot capable of writing, debugging, and explaining code in multiple programming languages, including generating and providing code files.
- Leveraged an advanced artificial intelligence model to generate accurate and insightful responses to user queries.

### Quiz App, Nodejs and Express

[Quiz application](#) | [GitHub](#)

- Demonstrated self-motivation by independently conceptualizing and professionally executing the design of a responsive API integrated full-stack quiz application
- Proactively self-taught MongoDB through its documentation and swiftly implementing the knowledge into a containerized application deployed on Microsoft Azure

### Custom Shell, C

[GitHub](#)

- Implemented built-in commands and streamlined execution of external programs to enhance shell functionality and user experience
- Utilized advanced C programming techniques, including process forking, argument parsing, and robust error handling

### Chat Application, Java and JavaScript

[GitHub](#)

- A REST API application that uses Spring Framework to handle server Back-end and JavaScript and HTML for front-end
- Can connect with multiple users and has feature to create multiple different Rooms

## EXPERIENCE

### Teaching Assistant, Ontario Tech University

Oshawa, ON, January 2025 – Present

- Facilitates and leads engaging C++ programming laboratory sessions, ensuring clear and effective delivery of technical concepts
- Develops comprehensive lab documents, enriching them with detailed diagrams to enhance student understanding and learning outcomes.

### Social Media Assistant, Ontario Tech University

Oshawa, ON, May 2024 – Present

- Created and scheduled engaging and visually appealing social media posts across multiple platforms
- Coordinated with graphic designers to ensure high-quality content creation
- Designed and distributed bulk email campaigns using email marketing tools

### Software Tester COOP, Virtual Robotics Training Academy

Remote Remote, June 2021-September 2021

- Conducted thorough software testing to identify and document critical bugs, ensuring optimal system functionality and user experience.
- Collaborated with development teams to offer effective solutions and enhancements based on test findings, improving software reliability.
- Utilized various testing methodologies to streamline bug detection and resolution processes.

## EXTRA CURRICULAR

- IBM Z Student Ambassador
- Google Developer Groups Executive - Event Manager
- Peer Mentorship Program – Strong leadership skills leveraged in guiding a mentee in their academic career
- Executive of Peer leaders' network - promoted teamwork through communication leading to the successful execution of community events and enhanced team cohesion