

# Netra Mali

Toronto, Canada

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Website: <https://netra2104.github.io/Netra/>

## TECHNICAL SKILLS

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**Languages, Databases:** C++, Python, Ruby on Rails, Java, Go, C#, C, TypeScript, PHP, SQL, Bash

**Tools and Technologies:** Docker, Android Studio, Git, Terraform, Angular, React, NodeJS, Jira, Confluence, Jenkins, Linux, Azure DevOps, JavaFX, HTML, CSS

**Development Methodologies:** Software Development life cycle, Agile, Kanban

## PROFESSIONAL EXPERIENCE

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### HashiCorp – Software Engineering Intern

May 2022 – Present

- Collaborated with the Terraform Cloud Web Experience team on the No-Code provisioning project to allow users to create Modules without prior coding experience and in-depth Terraform knowledge using Ruby on Rails.
- Developed integration tests for Scope Agent API's in Golang that allow customers to create an isolated environment for workspaces in Terraform.
- Improved the Variable Editor in Ruby on Rails by handling edge cases and addressing markdown code bugs in a timely manner to avoid incidents.

### Dell Technologies – Software Engineering Intern

Sept – Dec 2021

- Implemented a C++ CLI program to handle database modifications and logger configurations along with unit tests written in GoogleTest for the Radio team.
- Developed Python scripts to remotely control Spectrum Analyzer hardware device to trace and plot the frequency utilizing Matplotlib to detect irregularities.
- Investigated and documented encryption processes, demonstrating strong written communication and research skills.

### Ansys – Software Development Intern

Jan – Apr 2021

- Automated Siebel CRM order processing in a C# ASP.NET application utilizing TypeScript and Rest APIs to reduce the Sales team 90% of manual work.
- Modularized C# services to convert orders from Avangate payment processor to multiple CRMs to meet future demands.
- Developed a profile edit page utilizing Angular, and jQuery for field validations and compliance screening while consistently following Clarity UI guidelines.

### Achievers – Software Development Intern

May – Aug 2020

- Improved RESTful API endpoint's performance on the Employee Engagement Web platform by 98% through refactoring and identifying bottlenecks in code to allow onboarding of 300,000 users.
- Implemented reusable React components and front-end features and performed extensive unit testing with Jest.
- Performed development in PHP to extract and manipulate data from the database employing the MVC framework.

### APPS Transport Group – Software and Database Development Intern

May – Aug 2019

- Designed and developed a web application using C#, SQL, and .NET to automate data extraction tasks and reduce the report creation process by 75%.
- Optimized queries to decrease runtime from four hours to five minutes minimizing report upload and download time.

## EDUCATION

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### Bachelor of Computer Science, Software Engineering Specialization

Expected Graduation: May 2023

University of Waterloo, Waterloo Ontario, Canada

### OrangTD – Mobile Development Project

- Awarded 1<sup>st</sup> place for creating a tower defense mobile game utilizing Android Studio, Java, and OOP design patterns.

### Financial Forest – 1<sup>st</sup> place 'Best use of Google Vision API' at SheHacks IV

- Implemented an expense tracker app using Google Vision API to capture information from a picture of receipts.