Netra Mali

@ njmali@uwaterloo.ca   in netra-mali   📞 647-717-6658   ⭘ Netra2104

EXPERIENCE

Ansys | Software Developer
Jan – Apr. 2021
- Automated Siebel CRM order processing using C# ASP.NET **Rest APIs** to decrease Sales processing time to 0 minutes.
- Modernized and Modularized **C#** services to convert order from Avangate online payment processing to multiple CRMs as per future demand.
- Developed a profile edit page using **Angular**, **jQuery** for various field validations and compliance screening while consistently following **Clarity** UI guidelines.
- Investigated and documented future automated architecture and workflows using **UML** diagrams to obtain project approval from business operations team.

Achievers | Software Developer
May – Aug. 2020
- Improved **RESTful API** endpoints 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 using Jest to improve test coverage by 55% .
- Performed server-side development in **PHP** to extract and manipulate data from the database using the **MVC** framework and deploying using Docker.
- Coordinated with product managers to enhance 20+ front-end features.

APPS Transport Group | Software Developer
May – Aug. 2019
- Designed and developed a web application project using **C#, SQL,** and **.NET** to automate data extraction tasks and reduce report creation process by 75%.
- Optimized queries and scripts to decrease report runtime from 4 hours to 5 minutes minimizing Accounting team report upload and download time.
- Troubleshooted the TMW Truckmate ERP software written in C# using Visual Studio to minimize defect backlog.

PROJECTS

Snake Game | Java Project
Oct. 2020
- Leveraged knowledge of **Java**, JavaFX, gradle, and object-oriented programming principles to create classic snake game with added features
- Employed GitLab to track significant updates, reduced hard drive usage.

C++ Compiler | Sequential Programs Project
Apr. 2020
- Developed a complete end-to-end compiler using **C++** on the Linux environment that converts WLP4 language to MIPS.
- Created an Assembler, a Scanner, a Context-Sensitive Analyzer, and a Code Generator for the C++ language.

Financial Forest | SheHacks IV
Jan. 2020
- Won 1st place at SheHacks IV; Implemented a credit score management web app using Google Vision API and **Node.js** to find the total amount paid from pictures of receipts.
- Improved user interface by making the application responsive using Bootstrap and a consistent design for better navigation.

Biquadris | C++ Object-Oriented Project
Dec. 2019
- Constructed a Tetris game in **C++** on **Linux** environment using **OOP principles**, MVC, factory, and observer design pattern to increase cohesion.
- Documented technical workflows and **UML** diagrams to create layouts and design the program's relationship allowing for a well-structured code.

SKILLS

Programming Languages
C++, Java, C, TypeScript, C#, PHP, SQL, Scheme, MySQL, React

Tools and Technologies
Angular, Clarity, UML, Node.js, Git, Docker, Jira, Visual Studio, Jenkins, Eclipse, Jest, HTML, CSS, Linux, MIPS, Bash, JavaFX

Languages
English, French, Hindi, Gujarati, Marathi

Education

Candidate for Bachelor of Honours Computer Science
University of Waterloo   2018 - 2023
- President's Scholarship of Distinction

Extra-Curriculars

- Grace Hopper 2020 Conference Participant
- TOHacks x Capital One Mentorship Program
- Piano, Level 8
- Member of Women in Computer Science, University of Waterloo

Relevant Courses

- Operating Systems (C)
- Object-Oriented Software Development (C++)
- Algorithms and Data Structures
- Compilers (C++)
- Statistics and Probability (R)
- User Interface (Java)