

HARMEET RAI

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EXPERIENCE

Redmane Technology

Software Application Developer Internship

Burnaby, B.C.

January 2023 - August 2023

- Collaborated in a dynamic Agile/Scrum team to develop and implement a highly configurable SaaS product, focusing on aiding Indigenous communities in Canada
- Designed and implemented a full-stack application with team utilizing ReactJS, Node.js, Express.js, SQL, and TypeScript.
- Collaborated with a team using GitHub for version control, demonstrating strong teamwork and project management skills.
- Participated in regular team meetings and code reviews to ensure high code quality and effective communication.
- Developed strong problem-solving skills and an acute attention to detail through hands-on experience in a professional, mission-driven environment.

PROJECTS

2D Arcade Game

Java, Maven

<https://github.com/Harmeetrai/demontower>

- Worked with team of 4 to implemented creational, structural, and behavioural design patterns for a 2D arcade game called Demon Tower.
- Created UML diagram during planning phase of the project. Collaborated with members to implement the UML diagram into runnable code.
- Developed communication skills and how to work together in agile-based environment.

iMusic - Apple Music Streaming Client

SwiftUI, XCode

<https://github.com/Harmeetrai/iMusic>

- Developing a music player application for iOS using SwiftUI and MusicKit API, allowing seamless integration with Apple Music services.
- Implemented a user-friendly interface for browsing and playing music, including features such as searching, creating playlists, and managing the user's library.
- Leveraged MusicKit's capabilities to access a wide range of music data, including albums, tracks, and playlists, providing users with a comprehensive music streaming experience.

Rubik's Cube Solver

Python3, Artificial Intelligence

<https://github.com/Harmeetrai/Rubix-Cube-Solver/>

- Collaborated on a team of three to implement Korf's algorithm for solving Rubik's cubes using Python.
- Responsibilities included algorithm design, implementation, testing, and performance optimization.
- Gained experience in collaborative software development, Python programming, and algorithm optimization through teamwork.

Personal Portfolio

Astro, TailwindCSS

<https://github.com/Harmeetrai/portfolio>

- Developed a personal portfolio site using Astro as the frontend technology.
- Implemented a blog feature utilizing Markdown files for content management.
- Designed the site's layout and functionality to showcase personal projects and skills.

EDUCATION

Simon Fraser University

Bachelor of Science **Major: Computer Science**

Burnaby, B.C.

September 2020 - April 2024

SKILLS

Programming: Python, Javascript, ReactJS, TypeScript, C++, C, SQL, NodeJS, CSS, HTML, SwiftUI
Tools: AWS, Azure, Heroku, docker, Git, Linux (Ubuntu), Command Line, VScode, Obsidian
Concepts: Full Stack, Data Structures, Algorithms, Design Patterns, Networking, Database