

Sheikh Saad Abdullah

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Skills & Interests

Skills: Microsoft Office (Word, Excel, PowerPoint), Git, Python, HTML, CSS, JavaScript, Java, MongoDB

Interests: Linux, Shell Scripting and Automation, Front-end Web Development, Data Analytics

Project Experience

Cy | Search - Search Engine Frontend

<https://search.cybar.dev>

Front-end Developer

Jan 2022 - Apr 2022

- Designed a search engine frontend that uses NodeJS functions to request and fetch search results from an API
- Successfully displayed the fetched results in a clear and concise format
- Secured the API key by encrypting it as a repository secret and using code obfuscation techniques
- Implemented progressive web app functionality to allow users to install it as an app

Accessible Blog with CMS

Northwood Care, Halifax, Nova Scotia

Full-stack Developer

Jan 2022 - Apr 2022

- Collaborated with a team of 4 developers to create an accessible blog website with custom CMS and an on-screen keyboard for a client with cerebral palsy
- Created a custom CMS that was easy to use for the client, allowing them to update their blog independently
- Implemented using modern web technologies such as Bootstrap, jQuery, NodeJS, ExpressJS, and MongoDB
- Designed a workflow for continuous integration and deployment using GitHub Actions to automate releases
- Successfully led the project's development and completion within 4 months, meeting all deadlines and specifications

K'we - Mi'kmaq Language Learning Game

Eskasoni Immersion School, Eskasoni, Nova Scotia

Game Designer, Developer

Sep 2021 - Jan 2022

- Collaborated with a team of 5 to design and develop an open-source educational video game for kids in grades 2-5, helping them learn the Mi'kmaq language
- Successfully created engaging and age-appropriate content that was well-received by the target audience.
- Built the game using the Ren'Py game engine and hosted it on university servers using NodeJS
- Managed the development process from start to finish, ensuring all deadlines were met

Work Experience

Saint Mary's University

Halifax, Nova Scotia

Computing Science Marker

Oct 2022 - Dec 2022

- Tested and graded Java code assignments submitted by students for performance and accuracy
- Analyzed errors and suggested corrections to students as feedback
- Successfully marked over 100 student assignments per semester

Saint Mary's University Students' Association

Halifax, Nova Scotia

Computer Science Tutor

Oct 2021 - Sep 2022

- Tutored students in computing science fundamentals, increasing assigned coursework scores by over 40%
- Helped achieve a better understanding of technical concepts and principles of web development in Python, Java, HTML, CSS, and JavaScript

Education

Saint Mary's University

Halifax, Nova Scotia

Bachelor of Science in Computing Science

Expected Graduation Date: Dec 2024

Major Courses: Software Engineering, Mobile App Development, Data Structure and Algorithms