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, Halifax, 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*
Courses: Software Engineering, Mobile App Development, Data Structure and Algorithms, etc.