

# Sheikh Saad Abdullah

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## Skills & Interests

**Skills:** Microsoft Office (Word, Excel, PowerPoint), Python, HTML, CSS, JavaScript, NodeJS, Java, C/C++, Git

**Interests:** Linux and Open-source Software, Shell Scripting and Automation, Front-end Web Development, Data Analytics

## Project Experience

### **Cy | Search - Search Engine Frontend**

**<https://search.cybar.dev>**

*Full-stack Developer*

*Jan 2022 - Apr 2022*

- Designed a search engine frontend that uses NodeJS functions to request and fetch search results from a public 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
- Implemented both the front-end and the back-end using modern web technologies such as Bootstrap, jQuery, AlpineJS, 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 developers 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 Free and Open-source Ren'Py game engine and hosted it on university servers using NodeJS
- Enforced the Waterfall model of SDLC, ensuring high quality, thorough documentation, and debugging at every step
- Managed the development process from start to finish, meeting all deadlines without fail

## Work Experience

### **Saint Mary's University**

**Halifax, Nova Scotia**

*Computing Science Marker*

*Oct 2022 - Apr 2023*

- Tested and graded Java and Python code assignments submitted by students for performance and accuracy
- Analyzed errors and suggested corrections to students as feedback
- Successfully marked over 150 student assignments per semester

## Education

### **Saint Mary's University**

**Halifax, Nova Scotia**

*Bachelor of Science in Computing Science*

*Expected Graduation Date: Dec 2024*

**Major Courses:** Data Structures and Algorithms, Software Engineering, Operating Systems