# Sheikh Saad Abdullah

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## EDUCATION

**Saint Mary's University**                                                                **Halifax, NS**
*Bachelor of Science in Computing Science*                                *Graduation Date: Dec 2024*

## PROJECT EXPERIENCE

**Cy | Search - Search Engine Frontend**                                **https://search.cybar.dev**
*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 Custom CMS**                                **Northwood Care, Halifax, NS**
*Lead 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, NS**
*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

**The Source**                                                                                       **Halifax, NS**
*Seasonal Sales Associate*                                                            *Oct 2022 - Dec 2022*

- Successfully helped 500+ customers find the electronics they needed during the holiday season.
- Pitched other items and services to cross-sell, resulting in an increase in sales by 10%.
- Maintained a high level of customer service by consistently resolving complaints and concerns in a timely manner.

**Saint Mary's University**                                                                **Halifax, NS**
*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, NS**
*Computing 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.

## SKILLS & INTERESTS

**Skills:** Microsoft Office (Excel, Word, PowerPoint), Git, Python, HTML, CSS, JavaScript
**Interests:** Linux, Shell Scripting and Automation, Front-end Web Development, Data Analysis