

# Sheikh Saad Abdullah

Halifax, Nova Scotia B3J 2K9

+1 (902) 818-0048

[sheikh@cybar.dev](mailto:sheikh@cybar.dev)

[www.cybar.dev](http://www.cybar.dev)

[github.com/cybardev](https://github.com/cybardev)

[linkedin.com/in/cybardev](https://linkedin.com/in/cybardev)

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## Education

**Bachelor of Science (B.Sc.) with Co-op** (Sep 2020 - Dec 2024)

**Saint Mary's University**, Halifax, Nova Scotia

**Major:** Computing Science, **Minor:** Psychology

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

## Projects

**Cy | Search - Search Engine Frontend** (Jan 2022 - Apr 2022)

<https://search.cybar.dev>

- Designed a search engine frontend with minimalistic aesthetics to ensure clarity
- Utilized NodeJS calls to request and fetch search results from API endpoints
- Displayed results to user using modern web technologies such as Bootstrap, AlpineJS
- Obfuscated API keys using repository secrets to prevent leaking and misuse

**Accessible Blog with CMS** (Jan 2022 - Apr 2022)

*Northwood Care, Halifax, Nova Scotia*

- Served as the project manager in a team of 4 peers for our Mobile App Development course
- Designed a workflow for continuous integration and deployment using GitHub Actions to automate releases
- Built a 3-page blog website as well as a custom CMS (content management system) admin page
- Created an accessible on-screen keyboard to accommodate client's typing difficulties caused by Cerebral Palsy
- Implemented the blog as a full-stack webapp using Bootstrap, jQuery, AlpineJS, Node, Express, and MongoDB
- Enforced CRUD standards to efficiently handle database operations

**K'we - Mi'kmaq Language Learning Game** (Sep 2021 - Jan 2022)

*Eskasoni Immersion School, Halifax, Nova Scotia*

- Teamed up with 5 peers as part of our Software Engineering course
- Managed the codebase in an organizational GitHub repository created for the project for continuous integration
- Built a game using Ren'Py and Unity that children from grades 2 to 5 played at school
- Enhanced the children's experience with learning the Mi'kmaq language

## Experience

**Computer Science Tutor** (Oct 2021 - Sep 2022)

*Halifax, Nova Scotia*

- Explained fundamentals of programming and web development in Python, Java, HTML, CSS, JavaScript, SQL, etc.
- Assisted in understanding core technical concepts and web development principles
- Helped achieve an increase of over 40% in assigned coursework scores

## Technical Skills

**Programming Languages:** Python, Shell Script, HTML, CSS, JavaScript, Java, C, C++

**Technologies:** Microsoft Office (Word, Excel, PowerPoint), Linux, Git, jQuery, Bootstrap