# Sheikh Saad Abdullah

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**Education**

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| **Saint Mary's University** | **Halifax, NS** |

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| **Bachelor of Science in Computing Science** | **Dec 2024** |

**Project Experience**

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| **Cy | Search - Search Engine Frontend** | **https://search.cybar.dev** |

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| **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.

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| **Accessible Blog with Custom CMS** | **Northwood Care, Halifax, NS** |

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| **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.

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| **K'we - Mi'kmaq Language Learning Game** | **Eskasoni Immersion School, Halifax, NS** |

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| **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**

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| **The Source** | **Halifax, NS** |

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| **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.

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| **Saint Mary's University** | **Halifax, NS** |

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| **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.

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| **Saint Mary's University Students' Association** | **Halifax, NS** |

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| **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