Sheikh Saad Abdullah

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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.

Technical Skills

Programming Languages: Python, Shell Script, HTML, CSS, JavaScript, Java, C, C++
Technologies: Microsoft Office (Word, Excel, PowerPoint), Linux, Git, jQuery, Bootstrap

Projects

Cy | Search - Search Engine Frontend (Jan 2022 - Apr 2022)
https://search.cybar.dev

- 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 (Jan 2022 - Apr 2022)
Northwood Care, Halifax, Nova Scotia

- 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 (Sep 2021 - Jan 2022)
Eskasoni Immersion School, Halifax, Nova Scotia

- 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.

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