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 (intended)
Courses: Software Engineering, Mobile App Development, Data Structures and Algorithms, etc.

Experience

Computer Science Tutor (Oct 2021 - Present)
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

Projects

Blog Webapp with Custom 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 - 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

Cutefetch (Feb 2021 - Present)
Repository: github.com/cybardev/cutefetch

- Scripted a CLI (command-line interface) program to collect and display system information in the terminal
- Used POSIX shell syntax for wide compatibility across all major Linux distributions
- Allows Linux and other Unix enthusiasts to showcase their devices and setups in an aesthetic way in screenshots
- Features cute animals to brighten up the screen

Technical Skills

Programming Languages: Python, Shell Script, HTML, CSS, JavaScript, Java
Technologies: Microsoft Office, Linux, Git, jQuery, Bootstrap