HONEYPAL SEKHON

✉ hssekhon@sfu.ca GitHub LinkedIn

Skills

TECHNICAL SKILLS
- **Languages:** HTML, CSS, JavaScript, C, C++, Java, Python, MATLAB, R
- **Hardware:** Beagle Bone Green (ARM microcontroller)
- **Developer Tools:** Bootstrap, Vaadin, Git, gdb, Linux, SPICE, SIMULINK

TRANSFERRABLE SKILLS
- Organizational Skills, Multi-tasking and Teamwork acquired through volunteering (IT Squad).
- Excellent Time Management and troubleshooting skills gained by working as a Team Leader.
- Detail Orientation and Critical thinking skills developed by making Academic projects.

Academic Projects

PERSONAL PORTFOLIO | *Git, HTML, CSS, Bootstrap, JavaScript*   Summer 2023
- Created a responsive and visually appealing website.
- Demonstrated attention to detail in presenting projects and skills effectively.
- Implemented interactive features and smooth animations to engage visitors.
- Showcased a comprehensive skill set and an eye for aesthetics in web design.

TRACKOUR | *JAVA, JavaScript, Git, CSS, Vaadin*   Summer 2023
- Designed and developed user-friendly interfaces for exploring music genres and playlists.
- Integrated Spotify API to retrieve music data, displaying audio features and playlists.
- Implemented collaborative features, allowing users to plan, save, and share mix projects.
- Enhanced user experience by utilizing UI/UX design principles.
- Collaborated with cross-functional teams to ensure integration of front-end and back-end components.

STUDENT TRACKER | *Git, HTML, CSS, Bootstrap*   Summer 2023
- Designed and implemented intuitive user interfaces for CRUD operations.
- Enhanced user interactions and display student information.
- Integrated front-end features with the Spring app, harmonizing functionality with a PostgreSQL database.
- Showcased strong problem-solving skills in handling data manipulation and validation.
- Applied responsive design principles for seamless user experience across devices.

HISTOGRAM GENERATOR | *Git, HTML, CSS, JavaScript*   Summer 2023
- Created dynamic UI components, allowing users to input lower bounds and new grades.
- Implemented real-time adjustments to the histogram display based on user input.
- Utilized JavaScript to manage user interactions and data updates.
- Ensured error handling for invalid inputs, enhancing user feedback and system robustness.

Experience

ALGO COMMUNICATION, BURNABY, BC   March 2022 - August 2022
TEAM LEAD | CO-OP
- Manage floor operations and activities in accordance with design changes.
- Responsible for troubleshooting process control problems that arise during floor operations.
- Verify ECOs of the current build by collaborating with Manufacturing Engineering.

Education

BACHELOR'S IN COMPUTER ENGINEERING | January 2020 - Present
SIMON FRASER UNIVERSITY, BURNABY, BC
- 4th-year Computer Engineering Student.