

Aryaman Bahuguna

COMPUTER SCIENCE STUDENT

Burnaby, BC | V5A3K9

(236)-516-7881

Github.com/SilianRail

aba214@sfu.ca

TECHNICAL SKILLS

LANGUAGES

- C / C++
- HTML/CSS
- JavaScript
- AJAX
- R w/ Shiny
- RISC-V
- LaTeX

TOOLS

- React
- Git/GitHub
- Vim
- OpenSSH

FRAMEWORKS

- No SQL
- Angular5
- MySQL, NoSQL
- Node.js, Nginx, PHP

OPERATING SYSTEMS

- Linux
- MacOS
- Windows10
- iOS
- Android

EDUCATION

Bachelor of computer science

(pursuing), specialization in

Artificial Intelligence

SIMON FRASER UNIVERSITY

BURNABY, BC

MAY 2023 – PRESENT

- Expected Graduation: April 2026

FRASER INTERNATIONAL COLLEGE

BURNABY, BC

JAN. 2022 – APR. 2023

- Bachelor of Applied Science in Computer Science

PERSONAL PROJECTS

ASSIGNMENT HELPER

https://github.com/SilianRail/Assn_Helper

INTRO. TO SOFTWARE ENGINEERING

Dec. 2023 – Jan. 2023

- Collaborated with one other classmate to create a QnA website with the motive of clarifying doubts students have in their assignments
- Transformed an old personal computer into a working remote server to host the website on
- Took inspiration from Stack Overflow while designing the interface for asking questions
- The result was a fully functional website where users can create new account and browse topics of their interest as well as ask questions

PERSONAL PORTFOLIO

<https://github.com/SilianRail/aryamanbpp>

INTRO. TO SOFTWARE ENGINEERING

Dec. 2023 – Jan. 2023

- Developed an interactive personal portfolio webpage highlighting educational background and professional experience
- Created a functionality where users can contact me directly and the requests will be forwarded to email
- Applied agile development methodology throughout
- Used Backend frameworks such as MySQL and WordPress
- The result was a professional looking webpage with beautiful animations and effects

ACADEMIC PROJECTS

FRIENDSBOOK

<https://github.com/SilianRail/FriendsBook/>

DATA STRUCTURES & PROGRAMMING

Jun. 2023 – Jul. 2023

- Developed a non-GUI, command line interface based Social Media application similar to Facebook
- Implemented using C++, applying concepts of OOP, abstraction, templates using Vectors as data structure
- Created unit test cases to debug the code for semantic and run time errors along with using tools such as Valgrind and CGDB for memory leaks
- Added additional functionality to enter Personal Bio, Personal / Professional History, etc.
- The result was a functional text-based application with a decent operational speed

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CERTIFICATIONS

Web Development

FreeCodeCamp (4)

Machine Learning

EdX, Coursera (2)

Artificial Intelligence

EdX (1)

NON-ACADEMIC CERTIFICATIONS

Glocal Canada

~ Research Work

Model United Nations

~ Best Policy Paper

Model United Nations

~ Participation Certificate

Peer Education

~ Volunteer Certificate

Tutor Workshop


~ Participation Certificate

TRANSFERRABLE SKILLS

- Excellent Communication
- Team Management
- Problem Solving
- Critical Thinking
- Leadership
- Interpersonal Skills
- Active Listening
- Professionalism

INTERESTS

 Music, Piano/Harmonica

 Healthy Lifestyle

 Reading

ACADEMIC PROJECTS (CONTINUED)

DICE ROLLER

https://github.com/SilianRail/dice_roller/

STUDIO PHYSICS

Jun. 2023 – Jul. 2023

<https://github.com/SilianRail/DiceRoller/>

- Improved soldering and IOT skills by creating a dice roller circuit board using LED lights and Arduino Board
- Troubleshooted the board by inspecting each solder joint and simulating digital test cases
- Operated lab tools such as Oscilloscopes, function generator, DMM and DC power supply

VOLUNTEER EXPERIENCE

Computer Science Peer Tutor

~ Simon Fraser University

Aug. 2023 – Present

Burnaby, BC

- Helped students excel academically explaining different concepts, debugged their code, and referred them to meaningful resources
- Provided helpful feedback and mentorship on previously opted courses
- Collaborated with other students to host small events and workshops

Peer Educator

~ Fraser International College

Aug. 2023 – Present

Burnaby, BC

- Tutored students 1-1 and cleared doubts on subjects with demonstrated excellence
- Provided helpful feedback and mentorship on previously opted courses
- Collaborated with other students to host small events and workshops

HIVE Leader

~ Simon Fraser University

Aug. 2023 – Dec. 2023

Burnaby, BC

- Facilitate connection between new students during the first month of the university while participating in welcome day events
- Plan and facilitate social activities based on student interests

Orientation Leader

~ Fraser International College

May. 2022 – Sep. 2022

Burnaby, BC

- Managed a small group of students, assigning responsibilities and hosting social activities for 1st year students
- Gave campus tours and helped them familiarize themselves in Canada and build meaningful relationships