Aayush Sood

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EDUCATION

Bay View High School   Upper Tantallon, NS
Secondary School - Grade 11   *Sep. 2023 – Present*

Ridgecliff Middle School   Beechville, NS
Middle School   *Sep. 2019 – Jun. 2023*

ACCOMPLISHMENTS

Some of my notable achievements, including but not limited to: Since 2019

- Won second place in IWK Youth AI Pitch Competition at the Atlantic AI Summit 2025, hosted by Saint Mary's University (SMU) - 2025
- Section Leader in Stanford's Code in Place (CIP) program - 2025
- IT Coordinator for Nova Scotia Secondary School Students' Association (NSSSA) - since April 2025; Public Relations Manager - since September 2024
- Received Certificate of Distinction in Senior Division of University of Waterloo's Canadian Computing Competition (CCC), Score: 45/75 - 2025; made Honour Rolls and received Certificate of Distinction in Junior division, Score: 66/75 - 2024
- Won third place in Lockheed Martin CYBERQUEST Competition, demonstrating skills in cryptography, forensics, and network security - 2025
- Competitively programming on CodeForces.com, aiming to increase rating above 1600+ by the end of 2025 - since 2024
- Peer Tutoring fellow grade 10 & 11 students in Mathematics and Sciences - since 2024
- Completed Harvard's CS50x: Introduction to Computer Science course on edX, gaining a foundational understanding of Computer Science principles and proficiency in C - 2024
- Invited to and participated in an exclusive summer math camp hosted by Dalhousie University, focusing on Calculus, Probability, Topology, and Cosmology - 2024
- Volunteered 200+ hours as a Camp Counselor during Canada Games Centre (CGC) Summer Camp in Halifax - 2024
- Recipient of the Student Council Innovative Mind Award in Grade 10 - 2024
- Cabinet Member on Nova Scotia Minister of Education's Student Advisory Council (MSAC) - since 2024
- Executive of Bay View High School's Student Council and Founder and President of the Technology Club - since 2023
- Recipient of the Mathematics Achievement & Citizenship Awards in Grade 9 - 2023
- Won first place in a regional Improv competition during Grade 9 at Ridgecliff Middle School - 2023
- Completed 85+ challenges on LeetCode.com, improving proficiency in data structures and algorithms - since 2022; Completed 50+ challenges on FrontendMentor.io, focusing on responsive web design and accessibility best practices - since 2020
- Earned several medals in regional Brazilian Jiu Jitsu competitions - 2022-2024
- Mentoring fellow Brazilian Jiu Jitsu practitioners at Titans MMA - since 2022
- Recipient of Bronze Star and Bronze Medallion of the Nova Scotia Lifesaving Society - 2019-2021

PROJECTS

Nova Scotia Secondary School Students' Association - PR Manager   September 2024 – Present

- Managing social media accounts across multiple platforms to increase engagement and brand awareness
- Creating and curating content that aligns with our organization's mission and values
- Developing and maintaining relationships with businesses, securing funding and partnership opportunities
- Consulted the NSSSA infrastructure group on cybersecurity issues, providing insights on security best practices and risk mitigation

Bay View High School - Mobile App | *React Native, JavaScript, Expo, Git*   July 2024 – September 2024

- Developed a Bay View High School Mobile app to present the school with a handheld presence

- Application developed using React Native framework, JavaScript and deployed using Expo
- The mobile app provides full compatibility with iOS and Android devices
- Application also submitted as a final project for Harvard's CS50x course

Canada Games Centre Volunteer - Camp Counselor   July 2024 – August 2024
- Collaborated with counsellors to design engaging activities, including sports, arts and crafts, and team-building exercises for children aged 5 - 12
- Monitored campers' behavior and well-being, ensuring a safe and inclusive environment for all participants
- Volunteered 200+ hours contributing to camp operations and enhancing the overall camper experience
- Encouraged campers to participate, build friendships, and adhere to camp rules, promoting a fun and respectful atmosphere

Ben Eater's 6502 Project | *Python, Assembly*   April 2024 – July 2024
- A collection of hardware bread-boarding project surrounding the 6502 CPU, inspired by Ben Eater

Nova Scotia Education Minister's Student Advisory Council - Cabinet Member   January 2024 – Present
- Representing the views and concerns of students & teachers from diverse backgrounds to ensure their voices are heard in policy-making processes
- Proudly represented Bay View High School's district while collaborating with the Education Minister and other council members to provide feedback on existing and proposed educational policies and initiatives
- Provided input on school cell phone usage policies that resulted in a new directive that was implemented in September 2024
- Conducted research and analysis on various educational trends, challenges, and opportunities in collaboration with other participating members

Student Council Executive & Tech Club President   September 2023 – Present
- Leading and organizing initiatives such as school events, fundraisers, tech workshops, and hands-on projects to enhance student engagement
- Under my leadership, Tech Club grew from 3-4 to 30+ members with a median 20+ member attendance on a weekly basis
- Mentoring and fostering a learning community by guiding students in tech-related topics, planning interactive sessions, and creating an inclusive space for skill development
- Advocating for student interests by collaborating with administration, gathering feedback, and ensuring student voices are represented in decision-making
- Managing operations and resources, including funding requests, club materials, and coordination among council members and club participants

CoinDeno - Mobile App | *React Native, Git, REST, Firebase, CoinGecko APIs*   July 2022 – September 2022
- Created the React Native mobile enabled version of the CoinDeno Web, enabled for both iOS and Android and hosted on the Android Play Store
- Leveraged the React Native framework for a consistent cross-platform experience

CoinDeno - Web App | *React.js, JavaScript, REST, Git, Firebase, CoinGecko APIs*   August 2021 – July 2022
- Created a React website that allows tracking and portfolio management of various Cryptocurrencies
- Utilized React, Firebase, and Redux for application development, with CoinGecko REST APIs for cryptocurrency data integration
- Deployed the application using continuous integration and continuous deployment (CI/CD) practices, ensuring reliability and fast iteration
- Integrated Google Auth for seamless user authentication

Extracurricular Skills

Soft Skills: Leadership, Mentorship, Communication, Community Building, Promoting Inclusivity
Programming Languages: Python, C++, JavaScript, SQL, HTML, CSS/SCSS
Programming Frameworks: React, React Native, Node.js
Developer Tools: Firebase, Cloudflare, Netlify, Git, GitHub, iOS, Android, Yarn, NPM
Programming Libraries: Tailwind, Bootstrap
Productivity Tools and OS: MS Office, MS Teams, Google Suite, Jira, Adobe Photoshop, OBS Studio, Linux