Aayush Sood

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EDUCATION

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

ACCOMPLISHMENTS

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

- Invited to and participated in the Quantum School for Young Students (QSYS) hosted by University of Waterloo, focusing on Quantum Physics, Quantum Mechanics, Quantum Optics and Linear Algebra - 2025
- SHAD UNB Valedictorian - SHAD is a national STEAM program recognizing youth for excellence in innovation, leadership, and academics - 2025
- Recipient of the Nova Scotia Lieutenant Governor's Education Medal, awarded for outstanding leadership and academic achievement - 2025
- Placed second 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, teaching Python and supporting beginner learners in a global online classroom - 2025
- IT Coordinator for Nova Scotia Secondary School Students' Association (NSSSA) - since April 2025; Public Relations Manager - September 2024 to June 2025
- 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
- Placed third in Lockheed Martin CYBERQUEST Competition, demonstrating skills in cryptography, forensics, and network security - 2025
- Competitively programming on CodeForces.com, targeting rating above 1600+ by the end of 2025 - 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
- Cabinet Member on Nova Scotia Minister of Education's Student Advisory Council (MSAC) - 2024 to 2025
- Executive of Bay View High School's Student Council and Founder / President of the Technology Club - since 2023
- Completed 90+ challenges on LeetCode.com, improving proficiency in data structures and algorithms - since 2022; Completed 50+ challenges on FrontendMentor.io, focussed on responsive web design and accessibility - since 2020

PROJECTS

IWKids - Mobile App | *React Native, JavaScript, Expo, Git, OpenAI API*   Apr 2025 – May 2025
- Developed an AI-powered mobile app to help families navigate emergency room visits at the IWK
- Created for the Youth AI Pitch Competition hosted at the Atlantic Canada AI Summit in May 2025

Bay View High School - Mobile App | *React Native, JavaScript, Expo, Git*   Jul 2024 – Sep 2024
- Developed a Bay View High School Mobile app to improve communication between staff and student body
- Provides students with centralized to school news, announcements, events, and essential information
- Application submitted as a final project for Harvard's CS50x course

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

CoinDeno Web / Mobile | *React.js, React Native, REST, Git, Firebase, CoinGecko APIs*   Aug 2021 – Sep 2022
- Created website and mobile app 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

SKILLS

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