

ARITRO SAHA

Software Developer

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aritrosaha10.github.io

github.com/aritrosaha10

EDUCATION

High School

John Fraser Secondary School

September 2020 - June 2024 (Expected)

- Currently in Grade 10
- Working towards Ontario Secondary School Diploma
- Taking Grade 10 and 11 Computer Science Courses

EXPERIENCE

Software Developer

Anglo-Indian Association of Canada

April 2021 - Present

- Created a modern, sleek website from the ground up using the Jamstack (Next.js, Netlify CMS, Vercel) that can be found at a-iac.org
 - Built an e-commerce trading platform for members to buy and sell products / services
- Constructed an election system to allow for senior citizens to vote electronically during the COVID-19 pandemic

Software Consultant for Capstone Project

University of Waterloo

January 2021 - April 2021

- Provided technical assistance in regards to vehicle blind spot detection using Machine Learning
- Supported team members with creating a telephony service and low-level embedded libraries on the Raspberry Pi

PROJECTS

Blind Spot Detection using Machine Learning

February 2021 - May 2021

github.com/AritroSaha10/BlindSpotDetection

- Designed a machine learning algorithm to accurately report if a car is within a motorcycle's blind spot
- Achieved ~98% accuracy with an average prediction time of under 0.09s on a Raspberry Pi 4

My Puja

September 2020 - December 2020

github.com/AritroSaha10/MyPuja-Website

- Utilized the FERN stack (Firebase, Express.js, React, Node.js)
- Implemented fine-tuned search bar for quick event access
- Created and integrated a live-streaming solution to allow for devotees to participate from home

SKILLS

Python

C / C++

HTML / CSS / JS

React

Git & GitHub

Native Android Development

Photo & Video Editing



ACHIEVEMENTS

- 2021 - Certificate of Distinction in the Canadian Coding Competition, Junior Level
- 2021 - Graduated Spirit of Math Grade 9 with First Class Honours
- 2020 - Graduated Spirit of Math Grade 8 with First Class Honours
- 2019 - Graduated Royal Conservatory of Music Piano Level 4 with Honours with Distinction
- 2019 - Ranked 3rd in the Canadian Music League
- 2018 - Ranked 2nd in the Canadian Music League

CLUBS

- Executive Member in Computer Science Club
- Programming Executive & Programming Lead in VEX The Royals 82050B Team
- Executive Member in Game Design Club
- General Member in Engineering Club
- General Member in John Fraser Business Society
- General Member in E-Commerce Club

INTERESTS

Technical

- Machine Learning using TensorFlow
- Edge Computing on Embedded Devices

Hobbies

- Playing Piano
- Playing Tennis