

# SUMEDH BHATTACHARYA

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## PROFILE

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I am a junior at The Ohio State University, with a passion for Computer Science, Neuroscience, and STEM in general. I am seeking internship and co-op opportunities for the Spring and Summer of 2022 in Computer Science fields where I can gain exposure to real world situations, learn from experienced professionals, and make impactful contributions to projects. I am specifically passionate about problem solving, and Machine Learning, and have experience with semiconductor testing, operating systems, and low level programming. I grew up in multicultural communities in the US and Singapore and have a unique ability to collaborate effectively with people from diverse backgrounds.

## EDUCATION

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**The Ohio State University**  
BS Computer Science Engineering

Columbus, Ohio  
August 2019 - Present

## COURSEWORK

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**Computer Science:** Software Components 1 & 2, Discrete Structures, Data Science and Algorithms, Intro to Low level Programming, Intro to Operating Systems, Developing Web Applications

**Mathematics:** Calculus III, Intro to Probability and Statistics, Linear Algebra

**Neuroscience:** Intro to Behavioral Neuroscience, Intro to Cognitive Neuroscience, Intro to Molecular Neuroscience

## WORK EXPERIENCE

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**Tessolve**  
*ATE Test Engineer Intern*

Bangalore, India  
September 2021 - Present

- Trained to use Teradyne's ets-364 ATE (ets-364)
- Developed Test Programs Specific to Test Devices, for Defects and Chip Quality (C++)
- Developing A System to Automatically Generate Test Cases Based off of Engineers' Specifications on Pin names and count, and the Test Names. Allows Improved Efficiency of Test Development (C++, Python)

## PROJECTS

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**Introductory Computer Science Course for Kids** *Scratch, Java*

Created an introductory course for Computer Science for kids under 13 using object oriented languages and simple ones like Scratch and Java.

**Personal Website** *JavaScript, HTML, CSS*

Created a Website to hold my information and resume. Hosted on Github.

**Presentation Reviewer** *JavaScript, HTML, Ruby*

Created a Website that allows a teacher to review student presentations. Stores account creation information and passwords in a database and allows for an admin role for teachers that has special permissions.

## SKILLS

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**Programming and Data Analysis:** Java, C++, C, Python, Assembly, Node JS

**Web Development:** Javascript, HTML, CSS, Ruby

**Machine Learning:** TensorFlow, Scikit-learn, PyTorch

**Others:** Linux, Bash, Git

## CERTIFICATIONS

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**Google Data Analytics Professional Certificate**

Coursera Google Certificates

Certificate for completing Google's Data Analytics course which goes over Excel, SQL, R, and Tableau October 2021

## ADDITIONAL INFORMATION

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**Languages:** English, Kannada, Spanish

**International Experience:** Lived, studied, or worked in India, Singapore, and United States of America

**Interests:** Camping, Snow sports, Video Games, Fantasy, and Debate