

EDUCATION

Stanford University

B.S. Computer Science

GPA: 3.71

Relevant Coursework: Computer Organization and Systems (C) (Winter 2018), Introduction to Combinatorics (Winter 2018), Programming Abstractions (C++), Linear Algebra and Multivariable Calculus, Mechanics and Special Relativity

Stanford, CA

June 2021

Olathe North High School

Valedictorian | GPA: 4.0

Relevant Coursework: AP Computer Science A, AP Calculus BC, Multivariable Calculus, Linear Algebra, AP Statistics, AP Physics I, AP Chemistry, AP Biology

Olathe, KS

May 2017

PROJECTS

Personal Website

Website Developer and Designer

<https://arvindvs.github.io/>

December 2017 – present

- Self-learned HTML and CSS online to construct a personal website from scratch
- Designed website layout and color scheme
- Continuing to expand web-page and update features

EXPERIENCE

GitHub

Open Source Contributor

<https://github.com/arvindvs>

December 2017 – present

- Contributed math operation functions to an open source project in C++ called BigInt that implements a new class called BigInt, which serves as an extension of the primitive integer data type
- Continuing to explore open source projects to contribute to

Veteran Affairs Medical Center

Student Researcher

Kansas City, MO

June 2015 – February 2017

- Conducted cell cultures, exosome extraction, Western Blots, Polymerase Chain Reaction, and other analysis techniques to determine the effect of alcohol on tumorigenesis for 2 years
- Published two review articles and one perspective in scientific journals
- https://www.researchgate.net/profile/Arvind_Subramanian

Kumon

Math Instructor

Olathe, KS

July 2017 – September 2017

- Individually tutored 20 students at math levels ranging from addition to calculus, developing their ability to reduce a problem down to smaller components

ACTIVITIES

Stanford Solar Car

Software Developer

Stanford University

January 2018 – present

- Debugging C-Language code in order to improve temperature sensing and reduce vehicle computer glitches.
- Learning protocols for real-time telemetry for use in solar car diagnostics

Stanford Bhangra

Performer

Stanford University

October 2017 – present

- Performing at nation-wide college bhangra dance competitions and locally on Stanford campus

SKILLS

• **Languages:** Java, C++, C, HTML5, CSS, Git• **Additional Skills:** abstract data types, recursion, backtracking recursion, run-time analysis, dynamic memory allocation, graph search algorithms, inheritance, and polymorphism

AWARDS & ACCOMPLISHMENTS

• Valedictorian – May '17

• State Science Olympiad Champions – April '17, '16, '15

• AIME Qualifier – March '17, '16, '15, '14, '13

• Gold Presidential Service Award – March '17, '16, '15, '14

• National AP Scholar – August '16

• Junior Virtuoso in Classical Guitar – July '16

• Olathe North Varsity Tennis Letter – May '16, '15, '14