**Aarav Bhasin**

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**EDUCATION**

**Johns Creek High School (JCHS) Expected Graduation 2026**

* GPA: 3.88
* Relevant Courses: AP Precalculus (5), AP Computer Science Principles (4), AP Biology (Currently Taking), AP Chemistry (Currently Taking), AP Statistics (Currently Taking), AP Computer Science Advanced (Currently Taking)

**SKILLS/LANGUAGES**

* Programming- proficient in: Python, Java, and C. Familiar with other languages like R
* AI- proficient with AI(TensorFlow) in Python
* Single cell analysis- done single cell analysis in both Python and R, along with cell communication analysis
* CAD/3D Modelling- Proficient in OnShape.
* 3D Printing- Proficient

**EXPERIENCE**

**Remote Research Student at Harvard Medical School (**Intern**) 07/2023-Present**

* Developing Genomics and single cell genomics workflows for analysis of single cell data related to thyroid cancers, as well as figure generation.
* Creation of a novel gene signature for the identification of pericytes across multiple cancer types. \*

**Independent 3D/Modeler/Cader on Thingiverse (**Independent Designer**) 01/2023-Present**

* Created and uploaded personal designs to Thingiverse, which have been downloaded by others for 3D printing
* Designed, Planes, Tanks, as well as mounts and stands
* Profile Statistics: (Views: 10,292; Downloads 2,418)

**Developed medical images analysis pipelines of whole-slide images (**Programmer**)** **08/2022-07/2023**

* Created a Python program that seamlessly assembles slices of histopathology images into a complete whole for digital pathology analysis of various diseases utilizing the OpenCV library.

**EXTRACURRICULAR**

**SCIENCE OLYMPIAD (**Role: President**): 2020-Present**

* Active competitor in numerous events for my school as well as the upcoming president for the 25-26 school year

**Linguistics Olympiad (**Role: Vice President of Technology**): 2024-Present**

* Actively handle managing the Social Media and in Creating PowerPoints for club meetings, as well as in gathering practice questions for members to use to sharpen their skills.

**Coding For Cure: 2023-Present**

* Developed the Coding for Cure program to teach kids programing skills to raise money for the CURE organization.
* Currently run the course online as a YouTube series.
* Program has raised >$2200 dollars for cancer research

**ACHIEVEMENTS/AWARDS**

* AWSOM ’25: Best Research Poster (Based on data from \*) **2025**
* Georgia Tech State Science Olympiad Competition 4th place Entomology **2025**
* Georgia Tech State Science Olympiad Competition 4th place Fossils **2025**