Arjun Hariharan

Software Engineer

CONTACT

Email: cognitivetech52@gmail.com

Based: In the U.S.
Portfolio: portfolio_link

EDUCATION

William P. Clements High School

Expected Graduation: 2027

- VEX Robotics Team Solo Programmer
- TSA Software Development and Coding State Qualifier
- Completed Computer Science Endorsement
- NSHSS Member
- National Recognition Program Award
- Academic Excellence Award

TECHNICAL SKILLS

Languages
Python, C, SQL, HTML, CSS, Typescript, Dart

Platforms
Windows

Tools & Frameworks
React, Git, Firebase, Supabase, etc.

Other
Canva, Framer, Github

COURSEWORK & CERTIFICATIONS

Harvard University (via edX)

- CS50x: Introduction to Computer Science – Completed June 2022
  (Fundamentals, C, Python, SQL, algorithms, web dev with Flask)
- CS50P: Introduction to Programming with Python – Completed June 2022
- Ready Player 50 – Completed October 2023
  (Prompt injection AI challenge – completed 7 levels in record time)

Princeton PACT Program

- Summer 2023: Introduction to Algorithmic Thinking and Combinatorics – June–July 2023
- Year-Round Program – August 2023–2024

Russian School of Mathematics

- Completed Program: May 18th 2025

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AWARDS & ACHIEVEMENTS

Hackathons

- 1st Place, DAIS Code Canvas Hackathon (**International**) – November 2023
  (Raised money for children education non-profit in India)
- Best of Water Challenge – Kurius Hacks: March Edition
- 3rd Place – HackVortex Hackathon #2
- IngeniumSTEM Summer Hacks 2.0 – Participant
- Hack United – Participant
- DevC - MVP built from scratch to aid with recycling

Science Olympiad

- 1x 1st Place, 2x 2nd Place, 2x 3rd Place, 4x 4th Place
- 2x 7th Place (out of ~250 teams)

USACO - Silver

TEACHING AND VOLUNTEERING

Computer Science Instructor

PrepSmart Nonprofit

- Taught introductory CS topics over a 1–2 month program (2020)

Student Council

Spent 20 hours helping with school-related initiatives

TOP PROJECTS & EXPERIENCE

Veritas AI - Accepted Admission

Summer 2025

- Accepted into selective AI research mentorship program (did not pursue for lack of ROI).

Immunova AI

2025-Present

- Contributing to the open source development of a multimodal deep learning model in tumor-infiltrating lymphocyte treatment prediction and outcomes

Top Projects

Tetris AI

- Developed a Python-based AI that is built on a genetic algorithm using heuristics relating to aggregate height, bumpiness, etc. that performs with near-limitless scores

AgrIQ

- A farming system that can be used to track inventory, yields, and also utilizes an efficient AI model to analyze plants to identify and provide treatment methods for diseases

The Harvest

- An aesthetic minimalistic menu website for a pretend restaurant that features an item display, expected information and galleries, and contact pages