

# Anwesha Ghosh

Career Goal: Apply biophysics or microbiology to computer science for Earth's environmental sustainability

## Skills

Arduino Hardware, Wireshark Network Analyzer, Digital Steganography, Cryptography RSA Centralized, Python, Bash, HTML & CSS, C++, iMovie Editor, Windows/MAC OS/Linux Operating System Security, VSC Software

## Work Experience

JUNE 2021 - PRESENT

### Eta Carinae NonProfit, Dublin – *Founder*

- Oversee the administration, programs, and strategic plans
- Fundraising, marketing, community outreach, and maintaining tax-exempt status
- Maintaining records and financial processes
- Organize events to give back to the community

JUNE 2020 - AUGUST 2020

### Amplio Global Inc., NJ – *Management Analyst Summer Intern*

- Gathered and organized information on problems or procedures, especially on Cyclone Amphan at Sunderban
- Analyzed data and gathered and developed solutions or alternative methods of proceeding.
- Conferred with management and users about distribution, and identified improvements

## Volunteer Experience

AUGUST 2016 - PRESENT

### TriValley CoderDojo, Livermore – *Cybersecurity and Python Mentor*

- Provide private instruction to individual or small groups of students to improve educational skills in python and cybersecurity
- Develop teaching or training materials, such as handouts, study materials, or quizzes.
- Recommend textbooks, software, equipment, or other learning materials to complement tutoring

NOVEMBER 2021 - JANUARY 2022

### Predicine, Hayward – *Lead Volunteer*

- Packed and labeled COVID testing kits
- Organized and scheduled volunteering shifts through Eta Carinae NGO

## Education

AUGUST 2020 - PRESENT

### Dublin High School, Dublin (CA) – *Diploma In Progress*

- Current Cumulative GPA: 4.12 (W) with past/current courses (AP CSP, AP Bio, H. POE)

## Awards

- 1st Place and Project Planet Award at Alameda County Science Engineering Fair
- California State Science and Engineering Fair Nominee and Honorable Mention
- Destination Imagination Globals Finalist 4 times and Da Vinci Award 3 times
- Science Olympiad Codebusters 5th Place, Water Quality 6th Place, Green Gen 12th Place in state
- Bay Area Regionals Cyber Competition Gold Winner under Professor/Coach Irvin Lemus

## Extracurricular Activities

### STEM:

- Destination Imagination - (7 years as a team member with awards)
- Cybersecurity Competitions such as CTFs and Cyber Patriot - (5 years as Captain with awards)
- Science Olympiad - (2 years as Red Team Member with awards)
- Alameda Science Fair Participant (2 years with awards)
- Teaching cybersecurity and internet safety to Senior Center - (1 year as a lead teacher)
- Biology Olympiad - (1 year as a competitor)

### Community Service:

- Founder of Eta Carinae Nonprofit for creativity and giving back to others with three completed projects (Project Pencil, One Warm Coat, Dublin Mural)
  - TriValley CoderDojo - (6 years as Mentor & 1 yr and Student Leadership Council Member)
- ### Other:
- Bengali Creative Dance Academy - (6 years as a dancer)
  - Varsity Track Athlete - (4 years as 400M/800M/High/Long/Triple at the North Coast Section Level)