

# Anwesha Ghosh

Career Goal: Apply biophysics or biology/microbiology with computer science for conserving energy for sustainability

## Skills

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

## 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

### Amplo 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 Physics 1, AP Biology, AP Calculus AB, H. Digital Electronics, AP Computer Science Principles, AP Environmental Science, AP Seminar, AP English Language and Composition, H. Principles of Engineering)

## 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 - (8 years as a team member with 4xGlobals Finalist)
- Cybersecurity Competitions such as CTFs and Cyber Patriot - (5 years as Captain with awards)
- Science Olympiad - (3 years as Red Team Member with awards, 1 yr as Board member)
- 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, 1 year Jump Captain)