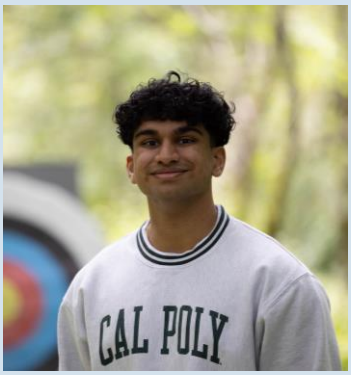

ANIKAIT VISHWANATHAN

PROFILE

Graduate of Eastlake Highschool, Cal Poly SLO class of 2028 (graduating 2027). Friendly, outgoing, and always looking for opportunities to learn. Loves anything computer science related. Able to comfortably meet deadlines and complete tasks with maximum effort.

CONTACT

Email: ani.vishy@outlook.com
Phone: (425) 275 – 7813

ACTIVITIES AND INTERESTS

- Competitive Archery
- Reading
- Hiking
- Robotics
- Volunteering
- LEGO (Architecture and Creator Series)
- Rocketry

AWARDS AND RECOGNITION

- VEX Robotics State Semi-Finalist + Energy Award, Judges award at worlds – 2023
- Evergreen Middle School Robotics Club PTSA Certificate of Appreciation – 2022, 2023
- Vex Robotics State Champions, Judges Award at Worlds – 2022
- Young Achiever Award – 2022
- Presidential Volunteer Service Award – 2022, 2023
- PTSA Volunteer Service Award – 2021

EXPERIENCE

Detecting Diabetic Retinopathy/Explainable AI: Utilized surrogate models (decision tree, logistic regression) to explain predictions made by more complex models (CNNs) in the context of image classification of diabetic retinopathy. Furthered by using saliency maps.
Natural Language Processing: Predicting COVID-19 lineage given genome sequences. Utilizing GNNs to evaluate drug safety and efficacy. Utilizing GRUs and LSTMs to provide an answer given a question and an image.
Visual Data Processing: Detecting pneumonia given CT scans of a patient's lungs utilizing CNNs and VNets.
Distracted Driving Research: Detecting distracted driving through video processing using CNN, VGG16, YOLO v8, and RNNs.
Custom Calculator: A fully functional graphing calculator with a customizable UI, PEMDAS, and trigonometry.
Retro Game Revamp: Revamped recreation of pac-man, procedurally generated maze, boss fights, and combat mechanics.
Dynamo Chess: An AI enhanced chess bot that utilizes deep learning with the goal of emulating the playstyle of any online chess player.
Orion 2021-2023 (Future Labs): Developed odometry navigation systems, integrated with PID for smooth and precise movement. Live user control robot stabilization and macros for non-autonomous portions of competition.
NSF Computer Science Bee: Three-time national qualifier.
Git Hub: https://github.com/Anivishy

VOLUNTEERING

Co-president of the Evergreen Middle School robotics club teaching team, largest VEX IQ club in the state of Washington with 30 teams (130 students). 8-week course to prep teams for competition. Hosted 2 official statewide competitions with 40+ teams each. Led programming lectures and activities to teach the foundations of coding in robotics.
Co-Founded and CTO of Tutors Without Boundaries, a non-profit organization providing free tutoring services and collecting donations for local charities. Raised over $10,000 in 2022 and 2023. Worked as CTO, created and managed the organization's website.
Over 500 hours of volunteering since entering high school

KEY SKILLS AND CHARACTERISTICS

- Dedicated and committed
- Meeting deadlines
- Communication
- Love for learning + curiosity
- 4 years of Python & 2 years C++/Java experience