

OM ANAVEKAR

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EXPERIENCE

JUNE 2020 – PRESENT

FOUNDER, ANAVEO LABS

- Develop *Glo*, an open-source addressable RGB LED controller, & similar embedded systems.
- Launched *Glo* via Kickstarter & received 374% funding within 30 days.
- Optimized circuit board design and manufactured 120+ units for distribution to international backers.
- Performed failure analysis and software debugging on underperforming devices.

JULY 2019 – AUGUST 2019

ROBOTICS INTERN, HUMANITARIAN TECHNOLOGIES (HUT) LABS

- Implemented path planning algorithms for autonomous robots.
- Utilized Robot Operating System (ROS) and Python for robot control.

EDUCATION

AUGUST 2020 – JUNE 2024

BACHELOR OF SCIENCE: COMPUTER ENGINEERING STUDENT RENSSELAER POLYTECHNIC INSTITUTE

AUGUST 2016 – JUNE 2020

HIGH SCHOOL DIPLOMA, THE ATHENIAN SCHOOL

PERSONAL/OTHER

DECEMBER 2018 – MARCH 2020

LEADER OF ELECTRONICS DIVISION, ATHENIAN ROBOTICS TEAM (FIRST)

- Led team to develop modular robot electrical system.
- Refined system for optimized expandability and cooling.

MARCH 2019

1ST PLACE RECIPIENT, CONTRA COSTA SCIENCE & ENGINEERING FAIR

- Designed *Gestr*, a wearable device which converts basic hand gestures into spoken text.

SKILLS

- Altium Designer/KiCad
- IoT (Node RED, MQTT)
- Arduino/ESP8266/Raspberry Pi
- Autodesk Fusion 360
- NI LabVIEW
- MATLAB
- Robot Operating System (ROS)
- Python

Additional Interests: Autonomous Robots, Mechatronics, Tae Kwon Do and Badminton.