

# NIRMAL SHIJU

nirmal.shiju@gmail.com | (408) - 480 - 7058 | github.com/nirmalshiju | linkedin.com/in/nirmalshiju

Curious, enthusiastic, and driven undergrad pursuing a CS degree. Strong communicator, able to work independently and with a team. Looking to gain more professional experience working with ML/Data Science.

---

## EDUCATION

University of Maryland, College Park

Aug 2023 - Present

- B.S. in Computer Science, Minor in Math; Expected May 2026
  - GPA: 3.97, Computer Science Honors, Dean's List, Presidential Scholarship
  - Relevant Coursework: Algorithms, Data Science, Computer Systems, Computer Architecture, Organization of Programming Languages
- 

## EXPERIENCE

Research Internship - AI for Information on Malware (University of Maryland)

Jun 2024 - Present

- Built a pipeline for scraping and processing large amounts of code (Python)
- Developed techniques for forming NL/PL pairs from commented code (Python, Antlr, MySQL)

Edcite Software Engineering Intern (Pleasanton, CA)

Jul 2022 - Aug 2022

- Developed frontend application modules for recording student responses (React)
- Transcribed audio using the AWS API to simplify grading for teachers (Javascript, AWS)

FIRST Robotics Competition Team 254 (San Jose, CA)

Aug 2019 - May 2023

- Served as Team Software Director from '22 to '23, won the 2022 FRC Championship. Led weekly meetings of 10+ devs, coordinated between subteams to set and achieve deadlines, laid out design specifications for applications
  - Managed a software ecosystem consisting of a variety of team applications and websites. Ensured vendor software was up to date on a variety of laptops and robot components
  - Developed a real-time control system for a semi-autonomous 150-lb robot (Java). Used OpenCV for target recognition and image undistortion, developed an autonomous path follower controller, designed a state-machine based control system for optimizing movement of a 3 DoF mechanism while avoiding illegal states
- 

## PROJECTS

Automated Inventory System

- Created an automated inventory system for spare school supplies from the ground up using a laptop, barcode scanner
  - Developed the database using MySQL, server API in TypeScript, and web viewer in React
- 

## SKILLS/HONORS

- Languages: Python, Java, JavaScript, C
- Frameworks/Tools: React, Git, MySQL, Unix, Excel
- 2022 FIRST Robotics Competition World Champion
- President's Volunteer Service Award Bronze: 100+ hours of service in a year
- Eagle Scout: 7+ years of Scouting, including leading multiple treks and 300+ hours of service