

# Avi Bandi

Outgoing and passionate high school Junior. Avi has an extensive knowledge of mechanical engineering and computer programming. In his leadership activities he is all about bringing impactful change to make the organization more efficient and streamlined.

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## EXPERIENCE

### Independant Application Developer - Startup

August 2023 - PRESENT

Created a cutting edge Artificial intelligence traffic counter solution to minimize the cost of traffic operations data collection by using a simple video camera or feed. Condensed into a simple desktop application, this application has the potential to disrupt the traffic data collection market. Currently in talks with local governments to release to local streets.

### Hindu Society of Minnesota IT Intern

May 2023 - PRESENT

I led a team of IT interns to create an automated financial yearly reports generator and emailer based on the IRS requirements for nonprofits for more than 30,000 donors every year. Led to a successful launch for the 2024 year. Additionally I actively conduct research, test new technologies, and collaborate with other team members to efficiently improve overall IT infrastructure and operations.

### Robotics Team Captain and Webmaster

September 2023 - PRESENT

Lead a 30 member team in the world's largest robotics competition. I lead the design and fabrication of a \$5000+ robot. This past year I led my team to the World Championship, our first appearance at worlds in over a 10 years. Led to my promotion as team captain. Also, I led a React-based website redesign, showcasing modern web development skills and improving online presence.

### McDonalds Crew Member, Wayzata MN

June 2021 - September 2021 and June 2022 - September 2022.

Handled financial transactions for a multimillion dollar franchise.

## EDUCATION

### Wayzata High School, Plymouth MN — High School Diploma

September 2021 - June 2025

**GPA: 4.28**

College level workload that includes Advanced Placement and honors level classes.

### Additional Leadership:

1. Junior Vice President
2. Super Mileage Captain
3. Business Professionals of America Chapter Officer

### SKILLS

1. Teamwork
2. Leadership
3. Proficiency in Java and Python
4. MongoDB
5. Google Suite
6. Windows and Linux operating systems
7. Communication

### Passion Programming Projects

1. AI Traffic Counter - Python
2. Library Book Catalog - Python
3. Blackjack Card Game - Java
4. MineSweeper - Java
5. TicTacToe Game - Java
6. Computer Vision Face Detection - Python
7. AI Poker Hand Detector - Python
8. Robotics Team Website - React.js
9. SheCan Wayzata Website - React.js

### Awards

1. BPA Python Programming Nationals Top 20 Placement
2. AP Scholar with Distinction
3. National Community Service Award - Issued by **United Nations** Association of the United States of America