

# Abhiram Kollipara

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## EDUCATION

### University of Massachusetts Amherst

Amherst, MA

BS in Computer Science

Exp Grad Date: May 2026

- GPA: 3.8
- Relevant Coursework: Data Structures & Algorithms, OOP (Java, Python), Calculus I, II & III, Reasoning Under Uncertainty, Intro to C, AP CSA (Java), AP CSP (Javascript), AP Physics 1 and C, AP Stats, AP Psychology, AP French
- Organizations/Awards: Mass Mirchi, CICS COST, ML Club, Isenberg Sales Club, Real Estate Club, Innov8, Dean's List

## PROJECTS

### Independent Projects:

- Personal Portfolio Website: HTML | CSS | Javascript

### Team Projects:

- Dorm Buddy: Arduino Dorm Hub informing roommates of a room's status, temperature and humidity, and security. Completed during HackUMass XI with a team of three other developers. Built with C++, NextJS and NodeJS

## LEADERSHIP EXPERIENCE

### UMass CICS COST (Community Outreach Student Team - Volunteering)

September 2023 - Present

Events Chair

### Mass Mirchi (All-Men Bollywood-Fusion Dance Team @UMass Amherst)

April 2023 - Present

Fundraising Chair

### Boy Scouts of America | Troop 99 Franklin, MA

September 2017 – August 2023

Eagle Scout | Senior Patrol Leader (1+ yr) | Assistant Sr. Patrol Leader | Patrol Leader (2 yr) | Troop Guide

- **Eagle Project:** Conceptualized and executed a successful community service project (partnered with FHS Computer Club): conducted 2 comprehensive lessons on PC building, and constructed a functional PC with 15+ youth, showcasing strong leadership, organization, and communication skills
- Oversaw all troop operations; led and mentored 20+ Scouts in weekly meetings, focusing on skill-building, character development, and adherence to scouting principles
- Planned and executed 50+ weekend campouts, troop activities, and community service events, ensuring safety and engagement through effective communication and collaboration with Scouts and adult leaders
- Delegated responsibilities to Assistant Patrol Leader, Patrol Leaders, other Scout leaders, and adult leaders, fostering teamwork and growth within the troop
- Demonstrated risk management expertise when organizing, coordinating, and leading troop activities, prioritizing safety and well-being while maintaining the principles and procedures of the Boy Scouts of America

### Franklin High Robotics Club

November 2019 - June 2023

Board Co-Chair (2 yrs) | Treasurer | Group Captain

- Competed in over 10 competitions, resulting in 3 finalist placements and 2 championship titles at events such as WPI Savage Soccer and VEX Robotics
- Helped recruit 40+ new members to the Franklin High Robotics Club, fostering a collaborative and accepting environment for all students to explore their passion for robotics

### Franklin High Computer Club

November 2020 - June 2023

Vice President | Secretary

- Taught Java curriculum to 20+ members, providing valuable programming knowledge and fostering skill development

## VOLUNTEER EXPERIENCE / ACTIVITIES

### Amazon FBA Business

August 2023 - Present

### Sense and Sound Robotics (First Tech Challenge) | [Website](#) | [Youtube](#)

2018 - August 2023

Lead Driver

- 2nd place @ 2022 and 2023 Massachusetts State Championships; Qualified for State Championship 3 times
- Led a 4-member team in a state science fair project featuring an **autonomous water filtering robot prototype** with 4 filtration methods, providing clean drinking water for underprivileged communities
- Spearheaded the engineering journal, actively documenting and sharing knowledge on hardware and code development
- Organized demos with a simplified disk launching robot for the Franklin Boy Scout Troops 126, 99, and the Franklin Fall Harvest Festival, promoting STEM and First Robotics, resulting in increased goodwill, raised awareness, and recruitment of new team members

### Milford Regional Medical Center (MRMC)

March 2022 - January 2023

Emergency Department Escort

- Volunteered 100 hours

## SKILLS & INTERESTS

**Skills:** Python, Java, Javascript, Web Dev (HTML, CSS), C, RobotC, Arduino C++ | Microsoft Office | G-Suite | Entrepreneurship | Collaboration & Teamwork

**Languages:** Telugu, Conversational French | **Interests:** Computer Science!, Bodybuilding, Trading, Camping/Backpacking (Outdoors), Cooking, Basketball, Football, Dancing