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, OOP (Java, Python), Calculus III, Reasoning Under Uncertainty, Intro to C, AP CSA (Java), AP CSP (Javascript), AP Calculus AB/BC, AP Physics 1/C, AP Statistics, AP Psychology
- 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

- Coordinated peer volunteer time slots and volunteered for "Tech Time" event, aiding the Amherst Neighbors (senior citizens) with any tech-related inquiries like iCloud backups or photo transfers.

Mass Mirchi (All-Men Bollywood-Fusion Dance Team @UMass Amherst) ***April 2023 - Present***
Fundraising Chair

- Helped organize two successful fundraising initiatives: "Pie a Mirchi", selling Insomnia Cookies and water balloons

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

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 ***January 2024 - Present***

- Generated $10,000 revenue; Responsibilities include product sourcing, inventory management, listing optimization, and customer service; Thriving in an e-commerce environment, leveraging analytical skills and market research to identify profitable opportunities and drive business growth.

Sense and Sound Robotics | Team 14273 (First Tech Challenge) | Website **|** Youtube **September *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, awareness, and recruitment

Milford Regional Medical Center (MRMC) ***March 2022 - January 2023***
Emergency Department Escort

- 100 hours: Verified patient status with nurses; Escorted visitors to patients in the ED; Assisted patients in waiting room

SKILLS & INTERESTS

Skills: Python, Java, Javascript, Web Dev (HTML, CSS), C, Node.JS, MongoDB, React, RobotC, Arduino C++, TensorFlow | Git & Github, Microsoft Office, G-Suite | Entrepreneurship, Collaboration & Teamwork

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