

Amirdhini C. Pechiammal

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US Citizen

EDUCATION

Georgia Institute of Technology, Atlanta, Georgia

August 2023 – May 2027

- Bachelor of Science in Aerospace Engineering
- GPA: 4.0/4.0

SKILLS

Software: Altium, OpenRocket, SolidWorks, Microsoft Office Suite

Programming: Java, Python, C/C++, MATLAB

Courses: AE 1601 Intro to Aerospace Engineering, PHYS 2212 Intro to Physics II, COE 2001 Statics, ME 1670 Intro to Engineering Graphics and Design, CS 1371 Computing for Engineers, MATH 1553 Intro to Linear Algebra

Foreign Languages: Native Tamil, Intermediate French

Music: Piano

Communication: Presentation, Emails, Teamwork

PROJECTS

Intro to Aerospace Engineering Rocket Project

September 2023 – October 2023

- Designed and manufactured a Model Rocket with a goal of reaching an apogee of 140 ft powered by an A8-3 motor.
- Wrote a report discussing the process and outcomes of testing in AIAA format.

LEADERSHIP EXPERIENCE

North South Foundation, Bedford, New Hampshire

April 2022 – May 2023

AP Chemistry and AP Computer Science A Coach

- Co-taught AP Chemistry course to 30+ students via Zoom over 8-week periods.
- Created class materials for AP Computer Science A course, including presentations, homework, and answer keys
- Funds used to provide higher education scholarships for underprivileged students in India

True Crime Club, Bedford, New Hampshire

November 2022 – April 2023

Co-founder and Co-president

- Led weekly, analytical discussions during meetings regarding true crime cases selected by 20 members
- Organized and hosted a mystery puzzle community night fundraiser and donated proceeds to the National Center for Missing and Exploited Children
- Other responsibilities included creating kid-friendly puzzles for the fundraiser and managing finances

COMMUNITY INVOLVEMENT

Georgia Tech Experimental Rocketry, Georgia Tech Chapter, Member

August 2023 – Present

- Work in Avionics and Mini-Avionics subteams
- Developing and will flight test a PCB created using Arduino Nano base as well as SMD LEDs, a Piezoelectric Buzzer, a microSD card, a Barometer, and a Transistor to ignite an e-match.

Reimagine, Inspire, Serve, Empower (RISE), Georgia Tech Chapter, Member

September 2023– Present

- Advancing gender equity and social justice on campus using Feminist Leadership principles
- Utilize teamwork and leadership skills to develop community service opportunities
- Hosted Reds Goes Green, a fundraiser aiming to bring awareness to Period Poverty and Sustainable Menstrual Products

Science Olympiad, Georgia Tech Chapter, Event Supervisor

September 2023 - Present

- Event Supervisor for Forensics
- Write exams and supervise the event during competitions