

# Aadi Upadhyaya

upadhyaya.aadi@gmail.com

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Motivated high school student with a passion for math and technology. Strong leadership skills through active participation in extracurricular activities. As an effective communicator and team player, I collaborate successfully with peers and make meaningful contributions to group projects. Seeking further to develop my skills in a dynamic learning environment.

## Education

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Leland High School      3.8/4.0 GPA

Expected Graduation: 2026

Relevant Courses: AP Calc AB, AP Stats, and AP Calc BC, Math 73/78 (San Jose City College)

## Experience

### Computer Science Intern at the University of California, San Diego

- Supported the Ujima Security and Privacy Research Lab in ongoing research focused on real-time pilot support through data-driven analysis.
- Collaborated with team members to collect and organize flight data from aviation APIs for integration into real-time decision support tools.
- Gathered and prepared text data from aviation forums to help identify common complaints and communication issues among pilots and air traffic controllers.

### NLP Program Participant at the University of Texas, Dallas

- Gained foundational understanding of Natural Language Processing, including tokenization, stemming, and text vectorization techniques.
- Participated in hands-on sessions using the Python library NLTK to analyze and manipulate text data.
- Explored real-world applications of NLP such as sentiment analysis and chatbot development, laying the groundwork for future AI projects.

### Applied Logic and Programming Systems Program Participant at the University of Texas, Dallas

- Studied the principles of declarative programming and logical inference using Prolog.
- Developed a basic AI reasoning engine in Prolog, utilizing rules and facts to simulate intelligent behavior.
- Practiced solving logic-based problems, reinforcing understanding of recursive structures, backtracking, and predicate logic.

### Badminton Team:

- Led and coached junior players as varsity captain, improving team performance and match readiness through personalized guidance and feedback
- Mentored new and intermediate teammates, focusing on footwork, strategy, and consistency to build confidence and skill.
- Balanced leadership and collaboration, learning from coaching staff while teaching others to elevate team success.

## Skills

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Technical: Python (self-taught), JavaScript, Google Workspace, Microsoft 365

Leadership skills: Encouraging, Friendly, Communication, Coach, Flexible, Adaptable, Independent Learner

## Projects

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Interior Design Website (WIX, Google Automations)

Guitar Coach (PyTorch, Python, Reddit API, Web scraping)

## Volunteer Experience

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Saloni Heart Foundation - Fundraising Volunteer

Sankara Eye Foundation - Donations Volunteer