

Aditya Thakkar

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Summary

Software engineer and startup founder with experience in full-stack development, robotics, and algorithmic problem-solving. CEO of Fruitera, a sustainability platform for local produce trading. Contributed to a top-ranked FRC team and leading a national-level Eagle Scout project. Focused on building secure, scalable systems for real-world impact.

Education

Bellarmine College Preparatory, San Jose, CA

Class of 2027

Relevant Coursework: Computer Science Principles, Calculus, Pre-Calc Honors

Technical Skills

Languages: Python, Java, JavaScript, HTML/CSS

Frameworks: FastAPI, Git

Databases: SQLite, PostgreSQL

Tools: VS Code, Render

Platforms: MacOS, Linux, Windows

Interests: Software Development, Cybersecurity, AI

Experience

Fruitera (Startup) fruitera.org — Founder, Full-Stack Developer

Remote

2024 – Present

- Built a peer-to-peer platform for homegrown produce trading using React and FastAPI.
- Developed chat, listings, QR access, and calendar systems for community coordination.
- Focused on sustainability and local food-sharing to reduce waste and encourage connection.

Team 254 — FRC Robotics Software Team — Software Division

San Jose, CA

June 2023 – Present

- Developed Java control systems for autonomous and teleop operation during competitions.
- Created 2D/3D simulation tools to improve strategy and reduce debug time.
- Collaborated using Git to deliver reliable software under deadlines.
- Contributed to one of the top ranked robots out of 3,468 teams; finalist at the 2024 World Championship.

USACO Competitive Programming — Competitor

Remote

2023 – Present

- Achieved Silver Level in the USA Computing Olympiad (Top 15%).
- Solve advanced algorithmic problems (DP, graphs, greedy, etc.) weekly.

Volunteer Work — ATRIA Senior Living & Local Schools

- Led interactive tech workshops for seniors and students in grades K–8.
- Completed 100+ service hours through outreach events and Scouting.

Projects

- **Cutlery Rental Website (Eagle Scout Project)** — FastAPI platform for zero-waste event logistics. Includes WhatsApp integration and admin tools.
- **CapsuMail** — capsumail.onrender.com: Secure email platform with delayed send, auto-delete, and login system. Built using Flask and SQLite.
- **Chess Versus AI** — chessversusai.onrender.com: Web app with adjustable AI levels, undo, and dark mode.
- **2D Robot Visualizer** — Java tool for simulating FRC drive subsystems to aid debugging subsystems.
- **Personal Website** — aditya-thakkar.com: Portfolio/blog built with FastAPI backend.

Achievements

- USACO Silver Division (Top 12% of 4000+ competitors)
- Life Scout & Project Leader (Almost Eagle)
- Top Ranked FRC Team (Team 254)
- 6+ Full-stack Projects

Leadership & Extracurriculars

Eagle Scout Project — Boy Scouts of America: Leading a sustainability-focused tech project to create a rental system for reusable cutlery to reduce plastic waste.

Life Scout: Active troop leader organizing service and outreach programs.

Guitar: Pursuing advanced classical pieces in Suzuki Guitar Book 9.