

Aditya Sharma

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EDUCATION

Bachelor of Science: Computer Science
San Francisco State University

Graduated: May 2025
SFSU GPA: 3.39

Relevant Coursework ♦ Advanced Algorithms | Object-Oriented Programing & Data Structures (Java) | Embedded Systems (C) | Computer Networks (Python) | Intro to Python | Discrete Math | Web Development | Operating Systems (C) | Database Systems (MySQL) | App Dev (Swift) | Software Development (Full Stack)

PROGRAMMING SKILLS

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| ♦ Java (Proficient) | ♦ Spring Boot, Hibernate, REST APIs |
| ♦ C/C++ (Proficient) | ♦ MySQL, SQLite |
| ♦ Python (intermediate) | ♦ JUnit |
| ♦ HTML/CSS (Proficient) and JavaScript | ♦ Git |

PROJECTS

- ♦ **Capstone Project** – Full-stack Tutoring Website for SFSU students
- ♦ **Embedded Autonomous Robot** – Multithreaded car in C with PID controlled line following & obstacle avoidance
- ♦ **Swift Ollama Chatbot** – iOS chatbot app with selectable agents, powered by locally run LLMs via Ollama
- ♦ **Java JDBC DB Project** – Java/MySQL database tool for NBA Statistics
- ♦ **IR Line Following Sensor** – C & GPIO-based sensor project
- ♦ **Java Tank Game** – 2 player Tank Wars game with animations
- ♦ **Motor Control** – PWM-controlled motor driver in C
- ♦ **JavaScript Game** – 2D browser-based game
- ♦ **Auction Website** – Basic HTML car Auction platform
- ♦ **Simple Shell** – A basic Unix-like shell in C
- ♦ **Smugmug Slideshow** - fetches image URLs from your Smugmug sitemap and creates a random slideshow using Python Rest API, SQL Lite and JS front end
- ♦ Numerous coursework projects on <https://adixsharma.github.io/>

LEADERSHIP

FTC Robotics Team | Captain ♦ Engaged in training through intensive in-person daily and weekly meetings. ♦ Gained valuable experience in becoming a successful leader while also working with others. ♦ Gained insight from one-on-one coaching from mentors. ♦ Taught C based coding for control of robot to new members ♦ Left the team better and has grown even more successful in the coming years

EXPERIENCE

K1 Speed | *Track Marshall* | *Dublin, CA* |

- ♦ Oversaw live go-kart races with a focus on safety, efficiency, and quick incident response
- ♦ Managed trackside operations and ensured races were facilitated smoothly during high-traffic periods
- ♦ Created and followed structured schedules to handle peak hours effectively
- ♦ Strengthened multitasking, situational awareness, and team communication in a fast-paced environment