

Ansh Tiwatne




Grade 12 student at [DLRC](#) and Software Developer at [Inspirit Vision](#), passionate about crafting innovative solutions through code. Can be found cycling or playing frisbee when not coding.

PROJECTS




I'm constantly working on new projects which are usually open-sourced on [GitHub](#) –here are a few favorites:

- [DLRC Daily](#) – A short form news app (like Inshorts) developed for my school community, built in Next.js with a Firebase backend.
- [Prana Daan](#) – React app for managing registrations and automating processes for semiannual blood donation drives at Inspirit Vision.
- [Chalo Daudne](#) – React app for tracking runners, generating certificates and managing volunteers during biannual community marathons at Inspirit Vision.
- [DLRC Weather](#) – A Raspberry Pi weather station installed in my school that records and displays real-time weather data on a website.
- [Wordle Solver](#) – An efficient Wordle solving algorithm and scraper written in Python using Playwright, as a learning project.
- [AS & A Notes](#) – Compilation of AS & A level revision notes and resources in markdown (now hosted on Notion), popular among my peers.

WORK EXPERIENCE

- **Software Developer @ [Inspirit Vision LLP](#)** **Oct 2023 - present**
Developing [apps](#) to advance CSR initiatives and automate processes for hundreds of users during company-wide events.
[Project Certificate](#) 
- **Tech Intern @ [1point01](#)** **Apr 2022 - Jun 2022**
Involved creating a pamphlet program for NGOs to communicate their objectives better and developed a Jekyll website, serving as an NGO directory.
[Certificate of Internship](#) 
- **Tech Intern @ [WeShineTech](#)** **May 2020 - Jun 2020**
Provided chat support. Created a video tutorials. Improved social media presence. Made minor improvements to their website.
[Internship Letter](#) 

INTERNSHIPS

- **App Developer & Editor @ [DLRC News Network](#)** Jun 2022 - Dec 2024
Developed and published the [DLRC Daily app](#) as a platform for sharing short-form news and updates across our school community, bringing it closer together. Led a team of interns in publishing stories. Designed and helped compile our first school magazine.
[Letter of Appreciation](#) 
- **Physics Lab Intern @ [DLRC](#)** Aug 2022 - Mar 2024
Prepared experiment setups for high school lab sessions. Organized and maintained lab instruments. Assisted in teaching experimental Physics. Performed demonstrations for school fairs.
[Letter of Appreciation](#) 
- **Math & Science Learning Support Intern @ [DLRC](#)** Aug 2022 - Oct 2022
Helped students with doubts. Checked tests and homework. Planned experiments for middle school Math and science classes.
[Letter of Appreciation](#) 

LANGUAGES (computer)

- Python – advanced
- JavaScript – intermediate
- TypeScript – intermediate
- Bash – intermediate
- HTML & CSS + Tailwind – advanced
- SQL – beginner
- QBasic – intermediate
- Prolog – working knowledge
- x86 Assembly – working knowledge

LANGUAGES (human)

- English – native
- Marathi – native
- Hindi – proficient

SKILLS

- React + Next.js
- Firebase
- Linux
- Git & GitHub

COMMUNITY SERVICE

- **Volunteer/Mentor @ [Living Academy](#)** Jun 2024 - present
Teaching basic programming and mentoring kids in under-resourced communities through hands-on STEM projects. Expanded Living Academy's reach to my school campus where I lead weekly two hour sessions with another volunteer.
- **Founded [Sustainable Suds](#)** Jul 2024 - present
Dissatisfied with amount of soap waste generated by hotels, founded a project to repurpose it. Partnered with four hotels and led two high school students that joined the initiative. Raised money selling soap for [Samajbandh India](#)

- **Volunteer @ DLRC-DSS Program**

Feb 2022 - Apr 2022

Taught NCERT science syllabus online to a batch of 10+ middle school students weekly during government school closures. Planned and guided them through several at-home science experiments to keep students engaged through the lockdown.

EDUCATION & TESTING

IGCSE: 2023

- Physics: A*
- Mathematics: A*
- Chemistry: A*
- Geography: A*
- Eng 2nd Lang: A*

AS Levels: 2024

- Physics: A
- Mathematics: A
- Computer Science: A
- Computer Science: A
- General English: IP

A Levels: 2025

- Physics: IP
- Mathematics: IP
- Computer Science: A*

SAT (superscore): 1530/1600

Reading & Writing: 740, Math: 790

IELTS: overall band score 8

SUMMER PROGRAMS

- **Lodha Genius Programme**

May 2023 - Jun 2023

Admitted as one of 100 students across India into a fully funded month-long residential STEM program at [Ashoka University](#). Studied math (number theory, geometry and combinatorics), astronomy and microscopy. Conducted two programming lessons (at microscopy professor's invitation). Made significant contributions and guided my teams in final science projects.

[Certificate](#)  [Post](#) 

- **Light Touch Programme**

Jul 2023 - Apr 2024

Online extension of the Lodha Genius Programme. Continued study of advanced math, astronomy, microscopy and picked up an additional quantitative biology module.




ONLINE COURSES

- HarvardX: CS50's Introduction to Computer Science
- [Google IT Support Professional Certificate](#)
- [System Administration and IT Infrastructure Services](#)
- [Crash Course on Python](#)
- [Using Python to Interact with the Operating System](#)
- [Getting started with Google Workspace Specialization](#)

EXTRACURRICULARS

- **Co-Founded [HackDLRC](#)** **Nov 2023**
Launched a coding competition with a friend. Developed a platform for the competition in React. Reached out to sponsors, raising \$14000 worth of awards. Designed posters and messages to promote the event to schools and communities. Authored coding challenges. Organized an award ceremony. Recruited and now mentoring 3 students to take lead for future events.
- **Teaching A-level Computer Science** **Jun 2024 - Oct 2024**
Taught the A-level CS to 12th grade. Organized classes 4x/wk. Maintained a [lesson plan](#). Planned mock exams and gave students feedback on answers, improving grades ~20% from the previous year. Handled exam setup for school.
- **Co-Led School's CS-Club** **Jun 2022 - Feb 2023**
Organized classes 2x/wk. Taught computer fundamentals, Python basics, microprocessors and game development. Culminated each topic organizing a hands-on group project.
- **Ultimate Frisbee** **Jul 2023 - Nov 2023**
Member of school's ultimate frisbee team. Participated in weekly practices. Competed in the West Regionals National School Ultimate Championship, securing 3rd place, awarded MVP for one of the matches.

COMPETITIONS

- National School Ultimate Championship [Certificate](#) 
- CS50x Puzzle Day 2024 [Certificate](#) 
- CS50x Puzzle Day 2023 [Certificate](#) 
- Google Code Jam 2023 [Certificate](#) 