

Autobiography of ME!!!

Who Am I?

Hi! I'm **Aadhithya**, a Grade 10 student from Tirunelveli, Tamil Nadu.

If you ask my friends to describe me in one sentence, they'll probably say:

"He's either coding, talking about football, designing something... or wondering how the internet works at 2 a.m." Honestly...

They're probably right.

I enjoy solving problems, building projects, learning new technologies, and helping others understand concepts that once confused me.

I don't like learning just to score marks—I like understanding **how things actually work**.

To me, computers aren't just machines.

They're giant LEGO sets where every line of code adds another brick to something useful.

Beyond my projects, I'm also proud to serve as an **HP LIFE Ambassador**, where we encourage students to explore digital skills, entrepreneurship, and technology-driven learning.

My journey

My journey into technology didn't begin inside a classroom.

It began with **curiosity**.

I kept asking questions to myself, and thankfully, I found amazing friends, mentors, communities, and online tools that helped feed that curiosity instead of stopping it.

Questions like...

"How does this website work?"

"How does a robot know where it is?"

"How does cloud computing actually work?"

"Can I build something even cooler than this?"

Instead of stopping after asking the questions, I started searching for answers.

One tutorial became ten.

Ten became a hundred.

Soon...

HTML became CSS.

CSS became JavaScript.

JavaScript became Python.

Then came **Java, Go, databases, embedded systems, PCB design**, and many more rabbit holes that I happily jumped into.

Every project taught me something.

Every bug taught me patience.

Every failure taught me what **not** to do.

Trust me...

Computers have informed me about my mistakes thousands of times.

Usually in bright red error messages.

Sometimes I feel like my computer knows my mistakes before I do.

Why I Love Engineering

Engineering is basically solving puzzles.

Some people enjoy solving Sudoku.

I do too—and I'm currently working towards earning a **Sudoku certificate**. Hopefully, I'll achieve it very soon!

But engineering gives me an even bigger puzzle to solve.

Sometimes I end up spending four hours trying to figure out why one wire was connected to the wrong pin...

...only to discover the problem was somewhere completely different.

Engineering allows imagination to become reality.

An idea starts on paper.

Then it becomes code.

Then hardware.

Then something you can actually hold, use, or share with other people.

That entire journey fascinates me.

Whether it's software, electronics, robotics, or embedded systems, every project feels like building something that didn't exist yesterday.

And honestly...

There's something incredibly satisfying about fixing a bug after three hours...

...only to realize you forgot a semicolon.

Programming has a fantastic way of keeping your ego under control.

One of the best communities I've become part of is **Hack Club**.

I'm proud to serve as the **Leader of Apex Club**, where I work alongside an amazing team to encourage students to build projects, learn together, and make technology feel exciting instead of overwhelming.

At the moment, most of our collaboration happens online. I'm also hoping to connect with more Hack Club members in my city so we can meet in person, build projects together, exchange ideas, and organize fun local events in the future. I also contribute to Hack Club in two additional roles.

Alongside Hack Club, I also serve as an **HP LIFE Ambassador**, promoting digital learning and helping students discover opportunities to build skills in technology, business, and entrepreneurship through HP LIFE's global learning platform.

Hack Club Volunteer Reviewer

I review community-submitted engineering and software projects, providing technical feedback that helps keep project quality high across the Hack Club network.

In simple words...

I professionally tell people,

"This works... but let's make it even better."

Every review is an opportunity to help another builder improve, and I genuinely enjoy seeing projects evolve through constructive feedback.

Hack Club Workshop Volunteer

I design workshops for fellow students, translating advanced technical concepts into sessions that students can actually understand and enjoy.

My goal is simple.

Take complicated ideas...

Remove the scary technical words...

Add real-world examples...

Maybe throw in a joke or two...

And suddenly everyone says, **"Wait...**

that's actually easy!"

That's one of my favorite moments.

Projects That Define Me

I love building projects where creativity meets engineering.

For me, projects aren't just assignments—they're experiments, challenges, and opportunities to learn something completely new.

Every project starts with one simple question:

"What if I built this myself?"

One of the projects I'm most proud of is my **Custom Embedded Flight Computer PCB**, designed completely from scratch using **KiCad**.

The board includes:

- ESP32-WROOM-32
- MPU6050 IMU
- BMP280 Barometric Sensor
- OLED Display
- MicroSD Data Logging

While designing it, I learned far more than just drawing circuits.

I explored professional PCB design concepts such as:

- Power Routing
- PCB Layout Optimization
- Copper Pours
- Stitching Vias
- Keep-out Zones
- Design Rule Checks (DRC) Every mistake taught me something new.

Every redesign made the board better.

Every successful design reminded me that engineering is a process of continuous improvement.

Leadership & Community

I enjoy building projects, but I also enjoy building communities.

I'm proud to serve in multiple student leadership roles:

- **Leader of Apex Club** at Hack Club
- **Hack Club Volunteer Reviewer**, reviewing community-submitted engineering and software projects and providing technical feedback that helps maintain project quality across the network.
- **Hack Club Workshop Volunteer**, designing workshops that translate advanced technical concepts into sessions students can easily understand.
- **HP LIFE Ambassador**, encouraging students to explore technology, entrepreneurship, and digital skills through HP LIFE's global learning platform.

I believe that knowledge becomes more valuable when it's shared. Whether it's reviewing a project, leading a workshop, or helping someone solve their first programming problem, I enjoy creating opportunities for others to learn and grow.

Another project close to my heart is my **FIFA Lineup Generator**, a responsive web application that allows football fans to create customizable football lineups with multiple formations and clean, export-ready layouts.

Being both a football fan and a programmer made this project especially enjoyable because it combined two things I genuinely love.

Along the way, I've also built personal portfolio websites, experimented with AI-powered tools, explored embedded programming, and constantly searched for ways to turn ideas into useful products.

For me, every project is another classroom.

The only difference is...

This classroom occasionally refuses to compile because I forgot one tiny bracket.

Football and Discipline

Technology may be my passion.

But football is my reset button.

I love the competition, teamwork, discipline, and constant improvement the sport demands.

Football has taught me lessons that apply surprisingly well to programming.

Miss a pass?

Learn.

Lose a match?

Improve.

Write bad code?

Debug.

Repeat.

Neither football nor programming rewards excuses.

Both reward consistency.

Whether I'm standing on a football field or sitting behind a computer screen, progress comes from showing up every day and putting in the work.

Although...

Sometimes debugging feels harder than defending a last-minute corner kick.

Skills

Programming

- Python
- Java
- TypeScript
- Go
- JavaScript
- HTML
- CSS
- Embedded C++
- Git & GitHub

Engineering & Research

- PCB Design (KiCad)
- Embedded Systems
- CAD Design
- Robotics
- Experimental Engineering
- Hardware Prototyping

Product & Entrepreneurship

- MVP Scoping
- Founder Pitching
- AI Product Design
- Product Planning

Technology

- Microsoft Office
- Database Fundamentals
- Technical Documentation

- Web Development
 - Cloud Computing Fundamentals
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Collaboration

- Cross-functional Project Management
 - Technical Leadership
 - Peer Leadership
 - Team-based Development
 - Multitasking
 - Problem Solving
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Communication

One of my favorite skills isn't technical at all.

I genuinely enjoy explaining mathematics, science, programming, and technology in ways that other students can actually understand.

Seeing someone go from...

"I don't get this." to...

"Wait... that actually makes sense!" is

incredibly rewarding.

If I can make one difficult concept feel simple, then I consider that a successful day.

Certificates & Learning

I believe certificates are valuable.

They recognize effort.

But projects teach lessons that certificates simply can't.

Throughout my learning journey, I've completed coursework in:

- Python
- HTML
- CSS
- JavaScript

Beyond formal courses, I've continued learning through documentation, online resources, engineering papers, open-source communities, experimentation, and building real-world projects.

I believe the best education doesn't end when a course ends.

It continues every time you ask another question, build another project, fix another bug, or challenge yourself to learn something new.

Learning doesn't stop after completing a course.

Usually...

That's where the real fun begins.

A Little About Me

When I'm not coding...

I'm probably playing football.

If I'm not playing football...

I'm probably thinking about coding.

If I'm not doing either...

There's a decent chance I'm supposed to be studying.

(And yes... eventually I do.)

I'm someone who enjoys learning, building, helping others, and continuously improving.

I don't believe in knowing everything.

I believe in staying curious enough to keep learning.

Every project teaches something.

Every challenge builds experience.

Every mistake becomes another lesson.

Every day is another opportunity to create something that didn't exist yesterday.

And if there's one thing I'd like people to remember about me, it's this:

I don't just enjoy using technology—I enjoy understanding it, building it, improving it, and helping others discover how exciting it can be.

That's who I am.

Let's Connect

Thank you for taking the time to read my story.

If you'd like to collaborate, discuss technology, engineering, robotics, web development, or simply have an interesting conversation about building cool things, I'd be happy to connect.

Email: goodaysarcomingsoon@gmail.com

Portfolio: <https://aadhithya.vercel.app>

GitHub: github.com/Optimus-Prime04

Location: Tirunelveli, Tamil Nadu, India

Hack Club: Apex Club Leader

"Stay curious. Keep building. Never stop learning."