

Aditya Tomar

Student Builder · Web Developer · AI Tinkerer · Ethical Hacking Enthusiast

Lucknow, Uttar Pradesh, India | matrixmasteroftech@gmail.com (supervised inbox) | github.com/17413-maker

PROFILE

High-school student who treats the internet, hardware, and AI as tools for shipping real things rather than subjects to study. Works across web development, AI/LLM applications, hardware prototyping (ESP32/Arduino), and cybersecurity fundamentals — with six live, working projects built independently to date.

FOCUS AREAS

Web Development — HTML, CSS, JavaScript, responsive UI/UX, full front-to-back builds

AI & LLM Applications — Chat interfaces, prompt engineering, AI-assisted product design

Hardware & IoT — ESP32, Arduino, motor control, Wi-Fi based remote control systems

Cybersecurity Fundamentals — Web security basics, CTF-style learning, ethical hacking principles

PROJECTS

NoteBuddy *AI Hardware*

Credit-card-sized AI device that clips onto a phone, records conversations, and turns them into summaries, mind maps, and flashcards.

Aditya Horizon *AI Assistant*

Personal AI assistant built end-to-end with Google sign-in, saved chat history, and a dedicated code-assistant mode.

ESP32 Motor-Control Rover *Hardware*

Two-wheel-drive rover built around an ESP32-WROOM-32, with motor-driver firmware written from scratch (ESP32 + L298N driver, PWM speed control) and a lightweight Wi-Fi web dashboard for control.

Blood Connect *Social Impact*

Blood-donation portal connecting hospitals, blood banks, and everyday donors through a single streamlined request form.

Jaipuria Podcast (Anonymous) *Web App*

Fully anonymous grievance portal letting students submit and track concerns safely without revealing their identity.

Gifté+ *AI Web App*

AI-powered gift recommendation platform with manual and automatic suggestion modes.

Flipper *AI Tooling*

Custom chat interface built on an open language model, with a self-designed UI and a custom moderation/guardrail layer.

AWARDS

Weave-a-Web Award

Won a web-building competition award for designing and building a strong practical web project.

Medals and awards in web-building competitions

Recognized for fast, clean, and practical product-building while learning and iterating.

EDUCATION

High School Student — Lucknow, Uttar Pradesh, India

LINKS

Portfolio: adityatomarhacker.me | GitHub: github.com/17413-maker | NoteBuddy: notebuddybyaditya.web.app | Aditya Horizon: adityahorizon.web.app