Armaan Ahuja

☎ +91-7973252563 | github.com/ArmaanAhuja-7777 | armaanahuja7777@gmail.com

Education

Thapar Institute of Engineering and Technology, Bachelor of Engineering in Computer Engineering — 2022 – 2026

- CGPA: 7.22/10
- Minor subject: Edge AI and Robotics

Mata Gujri Public School, High School — 2020 – 2022

- 10th Grade: 95.16%, 12th Grade: 93.33%

Experience

Drone Technology Intern, 10 Corps Zone Workshop, Indian Army – Suratgarh, Rajasthan — Jun 2025 – Jul 2025

- Engineered a drone-compatible grenade release system for safe, remote deployment of traditional munitions
- Implemented AI-powered computer vision for autonomous target recognition and precision navigation in complex terrains

General Secretary, Energy Conservation Club, Thapar Institute — September 2023 – Present

- Designed and developed IoT-based projects tailored to reduce energy consumption in campus buildings
- Actively participated in institute-wide events and technical fests to promote awareness about sustainability initiatives

Projects

RoomSync | Firebase, Node.js, ESP32 — Frontend repo, ESP32 repo

- Designed a smart IoT-based system to automate and monitor hostel appliances for efficient energy management
- Built a scalable backend with Node.js and Firebase for real-time device control and secure user authentication

Cheify - Food Delivery App | Dart, Flutter, PHP, Laravel, Razorpay — Cheify repo

- Created a cross-platform food delivery app with intuitive UI, secure order management, and real-time order tracking
- Integrated Razorpay for seamless in-app payments and built a robust Laravel backend for handling requests

Fixed-Wing UAV | Nrf24l01, arduino nano, Autodesk fusion 360, XFL5 — Check here

- Designed and built a fixed-wing drone capable of carrying 500g payload, with custom-built transmitter and receiver
- Optimized aerodynamic performance through iterative simulations using XFLR5

Technologies

Programming Languages: Python, PHP, JavaScript, Dart, C++, Node.js

Frameworks: Flask, Flutter, React.js, Laravel

Tools: Git, Docker, GCP, DigitalOcean

3D Modelling: Fusion 360, OnShape

Operating Systems: Linux (Debian, Ubuntu, Fedora)

Version Control: GitHub, Bitbucket, GitLab

Hardware: Arduino, Raspberry Pi, ESP32

Additional Information

Music: 3+ years of violin, 5+ years of flute

Astronomy: Enthusiast with personal telescope for observational studies; regularly conducted stargazing sessions in campus for fellow students — **Check here:** Drive