



Kunal Gourv

Electrical Engineering

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Examination	University	Institute	Year	CPI/%
Graduation (Ongoing)	IIT Indore	IIT Indore	2023–2027	8.31 (Current)
Intermediate/+2	CBSE	The ABPS Rehla	2021–2023	93.8
Matriculation	CBSE	BP DAV School	2021	97.6

PROJECTS

- **Military Radio Transmitter (Core Project – Electronics)** (Apr'25 – Ongoing)
 - Designed a 1.8 MHz transmitter with 125 mW output using a helical antenna and 50-ohm impedance matching.
 - Performed LTspice simulation and custom PCB layout with attention to military-grade reliability.
- **Decentralized Identity Verification (Blockchain)** (Apr'25 –)
 - Building a secure identity system using Solidity smart contracts, verified through trusted third-party validators.
- **Hostel Management System (Full Stack)** (Jun'24 – Jul'24)
 - Developed a full-stack portal using HTML, CSS, JS, Node.js, Express, and MongoDB; with role-based access control.
- **Line Follower Robot with Fire Extinguishing** (Mar'24 – Apr'24)
 - Arduino robot that detects flames and activates a water spray system for fire suppression.
- **Buck Converter Design and Implementation** (Apr'25 – Apr'25)
 - Designed a buck converter PCB using EasyEDA to achieve efficient voltage step-down.
 - Assembled and soldered the circuit, ensuring proper functionality through testing.
- **Razorpay Clone (Frontend)** (Mar'25 – Apr'25)
 - Created a responsive Razorpay clone using HTML and Tailwind CSS, mimicking modern UI.

Technical Skills & Competitive Programming

- **Programming:** C++, Python, JavaScript, HTML, CSS
- **Tools & Libraries:** MATLAB, LTspice, KiCAD, EasyEDA, Proteus, ReactJS, Tailwind, MS Office
- **Simulation & PCB:** Circuit design and simulation with LTspice and MATLAB; basic PCB design
- **Machine Learning:** Linear/logistic regression, decision trees, SVM, neural nets
- **Blockchain:** Smart contracts, Ethereum basics
- **Data Structures & Algorithms:** Strong foundation with hands-on CP experience
- **Codeforces:** Rated 1229 — codeforces.com/profile/Yuuupppp.....
- **LeetCode:** frenchrevolution — 50+ problems — leetcode.com/u/kunalbaba
- Completed **Graph Camp by AlgoUniversity** (Apr'25): DFS, BFS, Dijkstra, DP on graphs

Soft Skills

- Communication and collaboration
- Leadership and team management
- Problem-solving and critical thinking
- Time management and adaptability
- Creativity and self-motivation

Positions of Responsibility & Extra-Curriculars

- **TPC Volunteer** – Organized internship/placement support events (2024–25)
- **Cricket Participation** – Represented hostel in GC Cricket and branch events
- **Fest Involvement** – Participated in Euphoria (Electrical Engg. branch fest)
- **Olympiad Representation** – Took part in national-level Olympiad contests
- **Lab Collaborations** – Team-based circuit and project builds in lab courses

Achievements & Awards

- District Topper – 10th Grade
- LIC Student of the Year – Class 9
- Prabhat Khabar Best Student – Class 12
- Qualified JEE Mains and Advanced