


# Ishaan Kesarwani

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## EDUCATION

Examination	Institute	Year	CPI / %
UG	Indian Institute of Technology, Roorkee	2028	7.7
CBSE Intermediate	Bharti Vidya Niketan, Delhi	2024	95
CBSE Matriculate	Manav Rachna International School, Gurgaon	2022	95.2

## KEY SKILLED AREAS

Ethereum VM and Solana VM, Fundamentals of ZK Systems, Circuits, DeFi, System Design, Algorithms, DBMS, Agentic, RAGs, MERN, Languages (C++, Python, Rust, Golang)

## KEY PROJECTS

**Orbital** | *Rust(Stylus), DeFi, AMM* | [Github](#)

- Built **Orbital**, A multi-dimensional concentrated liquidity AMM for thousands of stablecoins in a single LP. An implementation of | [Paradigm's whitepaper](#), all written in Stylus(Rust-based framework of Arbitrum).

**Grothy-crab** | *Rust, ZK-SNARKs, Groth16* | [GitHub](#)

- Implemented Groth16 zkSNARK in Rust from scratch, following the algorithm end-to-end: from R1CS constraints, QAP construction and trusted setup through to proof generation and verification.

**Nymph** | *ZK Proofs in Noir, Flutter, MoPro* | [Github](#)

- Built a cross-platform privacy app inspired by StealthNote.xyz, with ZK proofs and circuits in Noir running on a Flutter app using MoPro. A project under BlocSoc IITR, initially built at EthGlobal Delhi.

**Deimos** | *Rust, Flutter, Circom, Noir, Risc0* | [Github](#)

- An open-source benchmarking platform for computing zero-knowledge proofs in frameworks like Groth16, Rapidsnark, Risc0, Imp1, Cario-m, Plonk etc. on mobile devices. Project under BlocSoc IITR.

**DragNDrop** | *AI Agents Workflow, React* | [Github](#)

- Developed an n8n-style AI workflow engine for building AI agents.

**WebBuidler** | *AI, GitHub, Full-Stack* | [Link](#)

- AI-powered tool that creates a fully functional website from a prompt, generates a customized multi-directory site and automatically deploys it to GitHub. Supports iterative changes via prompting.

## EXPERIENCES

**BlocSoc IITR** | *Developer* 2024 - Present

**Turbin3 Solana Builder** | *Graduate* 2025 Q3

**Cinema Section, IITR** | *Member* 2024 - Present

**BlockBuidlers** | *Web Developer, Intern* Web3 Start-up

**Open Source:** Actively contributing to projects like **Intelowl**, **Deimos**, **ICU4X** and **kyverno** across Rust, Golang and Python.

## ACHIEVEMENTS, POSITIONS & RESPONSIBILITIES

- One of 100 students across all IITs, NITs and IIMs selected for the **OPJEMS Scholarship**.
- **1st place** at Arbitrum Hacker House, Bangalore, **2nd place** at Arbitrum Open House (implemented [Orbital](#))
- **3rd place** in Syntax Error'24, IITR, **1st place** Shaastra'21 IITM, **1st place** in CrackHack'25, IIT Mandi, **2nd place** at IIT Dhanbad BFX'21, **3rd place** in Monad Blitz Lucknow.
- **All India Rank 6173** in JEE Advanced, **99.72 percentile** in JEE Mains) **100** in Mathematics and Physics.
- Cleared **Pre-Regional Mathematics Olympiad (PRMO)** in 2021.
- Served as **Head Boy** and twice as **House Captain** in school.

## EXTRACURRICULAR ACTIVITIES

- State-level table tennis player.
- Won a district-level bronze medal in table tennis.
- Photography, Videography and Video Editing.