Harshit Dudhani

harshitdudhani072@gmail.com | [GitHub](#) | [LinkedIn](#)

Education

Indian Institute of Information Technology — Pune, MH
Bachelor of Technology in Computer Science — **CGPA:** 7.93
October 2022 - July 2026 (expected)

Class XII (CBSE) — **Percentage:** 96%
Sanskar International Academy — *March 2022*

Projects

QuizNest – A Quiz Application | *Java, Swing, File I/O, Networking*

- Quiz platform supporting both online and offline formats.
- Features: Solo Quiz, API Quiz, and 1v1 Quiz with client–server networking.
- Built with Java Swing, file handling, and socket programming.
- Integrated a leaderboard system for competitive gameplay and progress tracking.

OptiRead – OCR Based Text Extraction Software | *Python, OCR, NumPy, Matplotlib, OpenCV*

- Developed a software that extracts text from input images using OCR techniques.
- Generates a `.txt` file containing the extracted text for easy access.
- Provides a confidence score of **0.9+** to ensure reliable recognition.
- Utilized NumPy, Matplotlib, and OpenCV (`cv2`) for preprocessing and visualization.

Digital Elevator Control with Adaptive Scheduling | *Verilog, Digital Design, FSM*

- Designed a digital elevator controller using **Verilog HDL** with adaptive scheduling logic.
- Implemented **finite state machines (FSMs)** to manage elevator movement, floor requests, and door control.
- Optimized request handling by prioritizing direction-based and nearest-floor scheduling.
- Simulated and verified functionality using testbenches to ensure correctness and reliability.

Skills

- **Core Programming:** C, C++, Java, Python, JavaScript, Bash, SQL, HTML, CSS, Verilog.
- **Frameworks and Libraries:** React, Tailwind CSS, Vite, Flutter, OCR.
- **Databases:** PostgreSQL, MongoDB, MySQL.
- **Design and Tools:** Git, GitHub, Linux utilities, Figma, Android Studio, VS Code, IntelliJ IDEA.

Achievements

- Winner in Rope Climber Competition at **IIT Roorkee Tech Fest – Cognizance**.
- Winner in Robo Race Competition at **BVP Tech Fest**.

Position of Responsibility

Vice President, R.O.F.I.E.S - Robotics Club — IIIT Pune — *September 2025 - Present*

- Directed club operations and strategic planning for a team of **20+ members**.
- Organized **5+ major events**, including inter-college robotics competitions and technical workshops.
- Mentored project leads and established a new member onboarding program.

PR Head, Quantnum – Maths Club, IIIT Pune — *April 2025 - Present*

- Managed outreach, publicity, and event promotion strategies for the Maths Club.
- Coordinated with external partners to increase participation in club events.