

Haard Majmudar

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EDUCATION

Manipal Institute of Technology

Udupi, Karnataka

Bachelor of Technology in Computer Science and Engineering, CGPA: 7.79 (Uptil Semester 2) July. 2025 – July 2029

EXPERIENCE

Trainee

Jan 2026 – Present

Cryptonite

Udupi, Karnataka

- Currently a trainee in the domains of Hardware Security and Binary Exploitation
- Learning Side Channel Analysis using the ChipWhisperer Platform.
- Regular binary exploitation CTF player with the team, which is 3rd in the country as of 2025
- Completed 4 month long intensive task-phase to get selected in a team of 15 Junior Members out of 1000+ applicants

Summer Student

June 2022

Plaksha University

Mohali, Chandigarh

- Completed a two-week intensive summer program focused on real-world engineering and problem-solving.
- Leveraged technology to address complex challenges through hands-on learning and interdisciplinary coursework.
- Developed an obstacle detecting rover using LiDAR, Ultrasonic sensors, Arduino and Raspberry Pi

Intern

October 2022 – November 2022

Illinois Institute of Technology

Remote

- Completed a hands-on cybersecurity internship focused on defensive security practices, including threat detection, system hardening, and network monitoring
- Gained practical experience with security tools including VeraCrypt (disk encryption), ClamAV (malware detection), UFW (firewall configuration), and Wireshark (network traffic analysis)

PROJECTS

Automated Snakes and Ladder Game | *Python, Raspberry Pi*

September 2022 – December 2022

- Created a physical Snakes and Ladders game(for CBSE Science Exhibition) where the opponent pawn moves itself using magnets underneath the board.
- Developed the circuitry of the project using breadboards and jumper wires.
- Our team of 5 used 5 BLDC motors to create a 2 axis system which was controlled by the Raspberry Pi.

Pixarch | *Bash, Python, QML*

September 2022 – October 2025

- Co-created an Arch-based Linux distribution focused on balancing minimalism, aesthetics, and gaming.
- Developed a consistent ecosystem, initially a "rice" for the i3 window manager, featuring a custom pixel theme and a modified web browser with a self-hosted search engine.
- Aimed to provide a garbage-free, high-performance operating system with a primary focus on aesthetics.
- Unfortunately the project is dead as of now, but I am trying to revive it to actually publish a working ISO with an official website

TECHNICAL SKILLS

Languages: Python, C, Java, JavaScript, HTML/CSS, Arduino, Bash

Frameworks: Flask

Developer Tools: Git, Vim, VS Code, Docker

Analysis Tools: IDA, Ghidra, GDB, Volatility, FTK Imager, Wireshark

CERTIFICATIONS AND WORKSHOPS

National Instructional Workshop on Cryptology - 2026 | *LNMIIT Jaipur*

13-15 July 2026

- Attended a 3-day on campus workshop, gaining exposure to modern cryptographic research, secure system design, and emerging cybersecurity challenges.
- Explored advanced topics including zero-knowledge proofs, differential cryptanalysis, hash functions, post-quantum cryptography (ML-KEM & ML-DSA), Boolean functions, and side-channel attack resistance through expert sessions delivered by researchers from IIT Kanpur, Indian Statistical Institute, Ashoka University, NISER, and LNMIIT.