

Haard Majmudar

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EDUCATION

Manipal Institute of Technology

Bachelor of Technology in Computer Science and Engineering

Udupi, Karnataka

July. 2025 – July 2029

EXPERIENCE

Summer Student

Plaksha University

Jun. 2022 – Jun. 2022

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

Illinois Institute of Technology

October 2022 – November 2022

Remote

- Cyber Security Internship with focus on Defensive hacking.
- Learnt different types of encryption and decryption methods

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.

PDFCompress | *Python, Bash*

Sept 2022 – December 2023

- Developed a desktop app using GTK Library and Python
- Implemented PDF compression using Ghostscript
- Basically, made a GUI wrapper for Ghostscript terminal utility

Pixarch | *Bash, Python, QML*

September 2022 – Present

- 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

Audio Joiner | *PyAudio, Python, Flask*

30 December 2022 – 1 January 2023

- Attended a hackathon called Epoch by an organization called Hack Club.
- Developed a flask app which combines vocals of one song to the instrumentals of the other.
- The topic of the hackathon was "stupid shit everybody needs" and our team of 5 made a dumb app out of it.

TECHNICAL SKILLS

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

Frameworks: Flask

Developer Tools: Git, Vim, VS Code

AWARDS

A.R. Rao Geometry Competition | *Gujarat Ganit Mandal*

December 2022

- A.R. Rao Geometry Competition is a mathematics competition organised by the Gujarat Ganit Mandal every year for the students of Class 10. Tricky and fun questions on geometry are asked to test the students for their geometrical aptitude.
- Received a cash prize of Rs. 500/- for securing 4th rank in Gujarat