

Harsh Kankrecha

Indian Institute of Technology Goa

Second Year Undergraduate, **Major:** Computer Science Engineering
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Education

BTech,Computer Science Engineering: Indian Institute of Technology Goa	CGPA: 7.61/10	2020-PRESENT
Class 12, CBSE: The New Tulip International School, Ahmedabad	Percentage :92.4 %	2019-2020
Class 10, CBSE: The Podar International School, Junagadh	Percentage: 96.2 %	2017-2018

Projects

- **Image Classification using Deep Learning**

I was taught about Python libraries such as h5py,PIL,scipy,numpy. h5py is used to interact with the dataset that is stored in the H5 file. PIL and scipy are used to test images.

I built and trained a deep L-layer neural network and applied it to classify cat images from non cat images.

- **Built a tower defence game DRAGON vs TERMINATORS**

This project is based on Object Oriented Programming and is inspired by PopCap Games "Plant vs Zombies".

The goal of the game is to defend a player's territory by obstructing the enemy attackers.

I implemented Python and OOPs concepts in this game. It also involves understanding, testing and extending a large program.

- **16-bit MIPS Microprocessor**

I did a VHDL implementation of a 16-bit MIPS processor.

Skills

Computer Skills: Data Structures and Algorithms, Competitive Programming, Python and OOPs ,Numpy,Pandas,Simpy, C++,C,Cloud Computing, HTML, CSS, Javascript,Neural Networks and Deep learning.

Positions of Responsibilities

Head Boy : Head position of Podar International School (2017-2018)

Core Member: Anchoring Team of IIT Goa (2020-Present)

Achievements

- Obtained AIR 4271/250000 in JEE ADVANCED. (2020)
- State rank 3 in International Olympiad of Science, by Silverzone. (2017 & 2018)
- Obtained Global Rank 3913/20000 in Google Kickstart Round A. (2022)
- Codechef rating 1787 (Highest) https://www.codechef.com/users/harshk_52
- Certification in Python and OOPs Concept by NxtWave <https://10xiitian.ccbp.in/certificate/DLIXTLLFKA>
- Certification in Data Structures and Algorithms by NxtWave <https://10xiitian.ccbp.in/certificate/OCMDSMIEAQ>
- Hackerrank 5 star in Python,C++ <https://www.hackerrank.com/harshkankrecha52>

Extracurriculars and Hobbies

- Competitive Programming. Has solved 500+ problems on various coding platforms.
- Playing Basketball, Cricket, Football, Badminton, Chess, Carrom.
- Love watching movies (among the favourites are 3 Idiots, Dangal).