

Rohit Doyal

Sophomore (B.Tech) |Electrical Engineering | IIT Jodhpur
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EDUCATION

IIT Jodhpur

B.Tech | Electrical Engineering
Expected 2023 | Jodhpur
CGPA 8.06/10 (Sem 4)

Montessori School

RBSE. Board Class 12
2018 | Jaisalmer
Aggregate 90%

Montessori School

RBSE. Board Class 10
2016 | Jaisalmer
Aggregate 86.66%

RELEVANT COURSEWORK

UNDERGRADUATE:

Data Structure and Algorithms
Machine Learning
Digital Design
Computer Programming
Object-Oriented Programming
Signals and Systems
Circuit Theory
Electronics and Electrical Engineering
Probability and statics
Quantum Theory
Physical Electronics

SKILLS

Languages:

Proficiency – C | C++ |Python|c#

Familiar– Javascript | MATLAB|

Danjo(python) |Verilog|php

Platforms Windows | Linux

Tools: Unity3d, Vs code , sublime Text

, Google colab , modelsim , xilinx

Technologies HTML | CSS | Git |

Bootstrap|

Adobe Photoshop|

POSITIONS OF

RESPONSIBILITY

- **General Secretary of Legacy Society IITJ** | November '20–PRESENT
- Core member of Gaming Society
- Core Member of Robotics Society
- Core Member of Filmmaking Society

PROJECTS

AR Tree Game –

This is Argument Based game

[Github link](#)

FEB '22– April'21 |

- Used Vuforia and Unity 3d Create a different stage and menu
- Using c # script add functionality in game
- Add animation and button using unity 3d
- This is argument reality based game .
- Idea behind this game is if you take care properly of tree then it will grow appropriately.

Traffic Control System – Verilog Based design

[Github link](#)

DEC'20 –Jan'21 | Supervisor –Dr Nitin Sir (Course Project)

- Designed and developed a prototype that simulates a workflow of 4 way traffic control system
- Used the concept of Moore type Machine
- Write verilog code for create this project

Object Detection

May 20 – June '20

- Developed python based application that after selected the image and create a rectangle around it
- Reduced the complexity of the image and the template, making it of only edges by using the canny edge detection method
- When object is moving our rectangle is also moving

Image Classifier

[Githublink](#)

April21– May 21 Supervisor –DrRicha (Course Project)

- Implement an end-to-end machine learning pipeline for the task given in the project
- Use three classifiers from the course (K-NN, CNN, Decision Tree). Report the comparative performance.
- Performance evaluation of the entire pipeline with cross validation .

ACHIEVEMENTS

- Ranked among the top 0.4% of 2.4 million applicants in JEE Advanced
- Secured 99.87 percentile in JEE–MAIN
- Secured a first rank in Jaisalmer – Rajasthan state in 1 board
- 6 + Start in Heckerank