

Rohit Doyal

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EDUCATION

IIT JODHPUR

B.TECH IN ELECTRICAL ENGINEERING

2019-2023*

Cum. GPA: 7.81/ 10 [Till Sem-5]

MONTESSORI SCHOOL

Grad. April 2018 | Jaisalmer, India

XII: 90 Percent

X: 86.66 Percent

LINKS

GitHub:// [Rohitdoyal](#)

Linked-In:// [RohitDoyal](#)

Interview bit:// [rohit-doyal](#)

Hacker rank:// [doyalRohit](#)

COURSEWORK

UNDERGRADUATE

Data Structure and Algorithms

Machine Learning

Digital Design

Computer Programming

Probability and statistics

Linear Algebra

Circuit theory

SKILLS

LANGUAGES

Proficient

• C++ • Python • c

Familiar

• c# • JavaScript • Matlab • LaTeX

WEB

• Django(Python) • ReactJS • CSS

• MySQL • Firebase • Bootstrap • HTML

TOOL AND TECHNOLOGY

• GitHub • Unity3d • VS-Code •

Sublime-text • Google colab • Netlify

• xilinx • Jupyter • Adobe Photo-shop

Platforms

• Windows • Linux

EXTRACURRICULAR

• General Secretary-Legacy Society.

• Core Member-Game-Development Society.

PROJECT

AR TREE GAME -AUGMENTED REALITY BASED GAME

FEBRUARY'21- APRIL'21 | [Git-Hub](#)

- Used Vuforia and **Unity 3d** Create a different stage and menu.
- Using **c#** script add functionality in game, and Add animation and button using unity 3d.
- Project under Open Source enthusiasts' student community of IIT Jodhpur.

FACE-MASK DETECTOR

|May21- may21 |Supervisor -DrRicha (Course Project)

[Github](#) | [Demovideo](#)

- Created a Machine learning model that can detect if a person is wearing a mask or not along with confidence level of the model.
- Achieved CNN model accuracy of 96.67% at 18 epoch.
- Used library **tensorflow keras, numpy, open CV**

NUMBER PLATE DETECTION USING OPENCV

May 20 - June '20 | [Github](#)

- Use **opencv** to capture number plate using webcam and used bilateral Filter for noise reduction.
- Reduced the complexity of the image and the template, making it of only edges by using the canny edge detection method and used easyocr to read the image.

REACT-CRYPTO CURRENCY

June21 - July '21 | [Github](#) | [Live](#)

- Created a website which can show current crypto currency value in market.
- Add crypto API to frontend and build the website.
- Used Technology **ReactJS, crypto API, CSS**.

REACT-FIRECHATAPP

June21 - July '21 |[Github](#) | [Live](#)

- Created a real time chat website where user can chat.
- Add Firebase to frontend and build the website.
- Used Technology **ReactJS, Fire Base, CSS**.

RESEARCH

HIGH PERFORMANCE DATA ANALYTIC

June 2020 – Current| Dr. Dip Sankar Banerjee

- An inductive dynamic graph analysis technique that can be potentially parallelized.
- Code implementation of the technique based on graph neural network.
- Experimental data validating the proposed technique.

ACHIEVEMENTS

- Ranked among the top **0.4 percent** of 2.4 million applicants in JEE Advanced
- Changed Branch From Mechanical Engineering To Electrical Engineering
- Ranked **first** in 12 RBSE Board Science stream in Jaisalmer.
- Rated **5 stars** in problem solving in Data Structures and Algorithms, c++ and python on Hacker Rank.
- Secured **3rd position** in Ideation in Summer Challenge, IIT Jodhpur and won a cash prize for designing an Arduino bracelet to prevent accidental touches in corona times.