

Mohammed Husain Malwat

Second Year Undergraduate

Dual Majors in Electrical and Computer Science Engineering

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Education

Degree	Institution	CPI/%	Year
B.Tech	IIT Gandhinagar	8.32(first year)	2021 - Present
Class XII	Divine Life School, Ahmedabad	86.7%	2020-2021
Class X	Divine Life School, Ahmedabad	90%	2018-2019

Achievements

- Top 0.5% out of 1.2 million students in JEE Adv [October 2021]
- Cleared NISER/CEBS-Nest (AIR 70 out of 1 million students) [August 2021]
- NTSE Scholar [March 2019]

Projects

- **Image Classification of CIFAR-10 dataset using CNN and its implementation on FPGA.** [Nov 2022]
 - Learned convolution, pooling, etc. operations in row major form.
 - Learned CNN model training, weight quantization for edge devices.
 - Learned to implement ML models in Verilog.
- **Machine Learning model to predict taxi fare: with varying parameters like pickup and drop off location, time of travel, no of passengers.** [July 2022]
 - Learned data preprocessing, data cleaning, handling missing values and one hot encoding.
 - Learned different types regressive models, optimization techniques, ensemble models.
- **ML model to predict efficiency of vaccines and the vulnerability of a person to Covid-19 vs Flu.** [July 2022]
 - Learned data preprocessing, data cleaning, handling missing values and one hot encoding.

Certifications

- Introduction to Machine Learning using Python by Yhills and E-cell IIT-H, EDC IIT-D. [July 2022]
- MTA 98-381 Introduction to Programming using Python, by Microsoft. [June 2022]
- "Data Science for ALL" online program by IIT-Roorkee, MNIT Jaipur, NIT Patna and NIT Warangal under MeitY. [Nov 2021]
- Short Term course on "Practical Numerical Methods Using Python" by IIT-Kanpur [Nov 2021]
- Course on "Basics of Python" by ATC:CN CDAC. [Nov 2021]

Skill Summary

➤ Programming Languages:

- Python, C, C++, Verilog

➤ Tools:

- Autodesk Inventor Professional, Adobe Premiere Pro, Xilinx-Vivado

Extra-Curricular Activities

- Play Squash
- Basic Finance and Business
- Video Editing in Adobe Premiere
- Cyber-security