

MEET THAKKAR

ENGINEERING PHYSICS STUDENT

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Thakkar-meet 

Motivated and personable student pursuing a BTech in Engineering Physics at Indian Institute of Technology Roorkee. Eager to gain my first work experience. Remains calm under pressure and enjoys working in a group as well as independently if required.

PROJECTS

HAND GESTURE RECOGNITION

Academic Project

**Aug 2022 - Nov
2022**

- Detecting key points of both hands and passing them through an RNN to train.
- Type of hand gesture is integrated with certain computer commands

PHYSICS INFORMED NEURAL NETWORKS

Group Project

**Aug 2022 - Dec
2022**

- Neural networks that are trained to solve supervised learning tasks while respecting any given law of physics described by partial differential equations.

QUANTUM ALGORITHMS

Self Project

Mar 2022

- Code for simulating different quantum algorithms
- Written in qiskit(Python) language
- Github link : <https://github.com/Thakkar-meet/Quantum-Computing>

DOUBLE PENDULUM

Self Project

Jan 2022

- Simulation of a double pendulum
- Simulated and animated in Python
- Github link : <https://github.com/Thakkar-meet/Double-Pendulum>

I-BEAM(AREA MOMENT OF INERTIA)

Academic Project

Nov 2021

- Calculating Area moment of inertia of an I-beam used in construction of buildings.
- Code written in MATLAB.

EDUCATION

B.TECH ENGINEERING PHYSICS

IIT Roorkee, Roorkee
2020-2024 | 7.889 CGPA

HIGHER SECONDARY CERTIFICATION

Shree Narayana Guru Vidhyalaya, Ahmedabad
2018-2019 | 81.2%

SECONDARY SCHOOL CERTIFICATION

Lotus School, Ahmedabad
2016-2017 | 86.5%

EXPERTISE

- | | | |
|---------------------------|---------------------------------|------------------------------------|
| • Problem-Solving | • Competitive Programming | • Verbal and Written Communication |
| • MATLAB | • Microsoft Office | • Attention to detail |
| • Python, C++ | • Data Structure and Algorithms | • Time management |
| • Machine Learning Models | • Neural Networks | • Calculus and Linear Algebra |

ACHEIVEMENTS & CERTIFICATIONS

 **Machine Learning A-Z™: Hands-On Python & R In
Data Science**
Udemy, March 2022

- All India Mains Rank - 527
- CodeForces - Highest ranking 1176
- Hackerrank - Problem Solving 6 stars