

Divyam Patel

Pre-Final Year | Electrical Engineering | IIT Jodhpur
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EDUCATION

IIT JODHPUR

B.TECH IN ELECTRICAL ENGINEERING

Expected May 2024 | Jodhpur, India
CGPA : 7.89/10 (UPTO 4TH SEM)

HG INTERNATIONAL SCHOOL

CLASS 12 | CBSE

2019 | ABU ROAD, RAJASTHAN
Percentage : 89.8%

ROYAL RAJASTHAN PUBLIC SCHOOL

CLASS 10 | CBSE

2017 | ABU ROAD, RAJASTHAN
CGPA : 10/10

LINKS

Github:// [pateldivyam26](#)
LinkedIn:// [Divyam Patel](#)
Portfolio:// [pateldivyam26](#)
Codeforces:// [divyampatel](#)

COURSEWORK

UNDERGRADUATE

Data Structures & Algorithms
Introduction to Computer Science
Pattern Recognition & Machine Learning
Probability, Statistics & Stochastic Processes
Signals & Systems
Digital Logic & Design
Linear Algebra & Calculus
Foundations of Quantum Information

SKILLS

LANGUAGES

- Python • C • C++
- Verilog • MATLAB
- HTML • CSS • Javascript

WEB

- React • Django • NodeJS
- Flask • Bootstrap

OTHER SKILLS

- Machine Learning
- Git • Github
- Blockchain
- Latex • Arduino
- SolidWorks

PROJECTS

MEDICAL IMAGE ANALYSIS | DESIGN CREDIT PROJECT

May 2022 – Present | Mentor : Dr. Deepak Mishra | Github 

- Calibrated state of the art models like Wide ResNet, ShuffleNet with various augmentation techniques which includes MixUp, CutMix, CutOut and AugMix on CIFAR-10, CIFAR-100 datasets
- Resulted in a better calibrated model with an increase in accuracy of about 2-3 percent along with better ECE and OE
- Tech-Stack : Python, Deep Learning, PyTorch

COVID DETECTION USING X-RAY IMAGES | MACHINE LEARNING COURSE PROJECT

March 2022 – May 2022 | Mentor : Dr. Richa Singh | Github 

- Developed a model to predict COVID-19 using frontal chest X-Ray images
- Worked extensively on ML classifiers like regression, decision tress, boosting, SVM, clustering and neural networks using relevant libraries
- Tech-Stack : Deep Learning, Machine Learning, Flask

FLIGHT PRICE PREDICTION | MACHINE LEARNING MINOR PROJECT

March 2022 – May 2022 | Mentor : Dr. Richa Singh | Github 

- Developed a model to predict the flight prices using various machine learning algorithms and achieved a r2-score of 0.83
- Tech-Stack : Python, HTML, CSS, JS, Flask

KRISHIMITRA - INTER IIT 10.0 | IoT BASED PROJECT

March 2022 – April 2022 | Github 

- Implemented End to End IoT based solution for precision farming
- Developed statistical models for prediction of crop states and a multilingual web app for farmers to track the real time state of their farms
- Tech-Stack : Python, Streamlit, NodeMCU, C

ALGORITHM DEVELOPMENT FOR COMPUTATIONAL KNITTING

Aug 2021 – Nov 2021 | Mentor : Dr. Rajendra Nagar | Github 

- Developed an algorithm for Computational Knitting and tested on various Dummy Objects
- Tech-Stack : C++, Javascript, Python

ACHIEVEMENTS

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| 2021 | Secured Branch Change after first year from Chemical to Electrical Engineering |
| 2022 | Part of contingent that got Rank 8 at Inter IIT Tech Meet 10.0 , IIT Kharagpur |
| 2022 | Selected for Amazon ML Summer School 2022 |
| 2023 | Secured 1st Prize in Kaggle Knight Prometeo'23 - Techfest, IIT Jodhpur |
| 2023 | Secured 2nd Prize in Quantum Conundrum Prometeo'23 - Techfest, IIT Jodhpur |

EXTRA CURRICULAR

- **Core Member** of NEXUS, Science Club of IIT Jodhpur
- **Senior Executive Member** of E-Cell, IIT Jodhpur