

Shubh Goyal

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॥ त्वं ज्ञानमयो विज्ञानमयोऽसि ॥

EDUCATION

Bachelor of Technology

(Computer Science and Engineering)

Indian Institute of Technology Jodhpur
2021-2025

GPA- 7.97/10 (At the end of second year)

High School Diploma CBSE

(PCM and Computer Science)

St. Paul Higher Secondary School Indore
2008-2021

Class 10th- 93.8%

Class 12th- 96.2%

KEY PROJECTS

• FaceNet Implementation (Dec 2022) (Project Link)

(PyTorch, Python)

AI Society IIT Jodhpur

Implemented the FaceNet research paper from scratch using PyTorch. Also implemented the Standard Siamese and trained both the models using CelebA dataset.

• DRS Computer Vision (Ongoing)

(Open-CV, PyTorch, Tensorflow, Tkinter, Python)

AI Society IIT Jodhpur

Creating an UI based software which can predict and trace the path of a pitched ball on the basis of the video of the ball fed to the software and can be used to make decisions for lbw, run-out and no-ball accordingly.

• Face Tracker (Ongoing) (Project Link)

(Tensorflow, Python)

AI Society IIT Jodhpur

A pipeline for face recognition and tracking which overcomes hurdles of facial accessories.

• Multi Model Data Analysis for Annotation of Human Activities (Completed)

(PyTorch, Tensorflow, Sklearn, Python)

Prof. Suchetna Chakraborty, IIT Jodhpur

A pipeline which can predict human activities based on continuous analysis of data provided by accelerometer and gyroscope present in a smartwatch.

• Cloudphysician's Vital Extraction Challenge (Project Link)

(Computer Vision, Image Processing)

Inter-IIT Techmeet 11.0

Extracted the values of vitals from the images of ICU monitors and returned the values in form of a python dictionary. We used object detection to identify the relevant areas from the image and then applied text recognition.

ACHIEVEMENTS

- Youth Conclave 2022- Among top 6 finalists (Hackathon) across India
- WeldRight (TechFest IIT Bombay)- 4th position among 70+ teams from across India
- IOQA & IOQP 2021- Cleared Stage 1
- PRMO 2020- Got qualified for RMO 2020

SKILLS

- | | | | |
|----------|--|-----------------|------------------------|
| • C++/C | • Tensorflow, PyTorch, Sklearn | • Pandas, Numpy | • Project Management |
| • Python | • OpenCV | • Git | • Communication Skills |
| • HTML | • Computer Vision and Image Processing | | • Public Speaking |

RELEVANT COURSEWORK

- Pattern Recognition and Machine Learning
- Data Structures and Algorithms
- Probability, Statistics and Stochastic Processes
- Maths for Computing
- Linear Algebra

Completed
Completed
Completed
Completed
Completed

POSITION OF RESPONSIBILITY

- Core Member, AI Society, IIT Jodhpur (Dec 2022-Present)
- Assistant Head (Corporate, Start-up Relations and Marketing), E-Cell, IIT Jodhpur (July 2022-Present)
- Assistant Head, Events and Co-ordination, Aaftaab 2.0 (Sep 2022- Oct 2022)