

Devansh Bansal

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EDUCATION

Indian Institute of Technology, Jodhpur

Bachelor of Technology in Computer Science And Engineering

Current CGPA: 9.52

Jodhpur, IND

Nov. 2020 – Aug 2024

Baroda High School (O.N.G.C.), Vadodara

P-C-M with Computer Science

Percentile: 99.88

Gujarat, IND

May 2013 – May 2020

PROJECTS

OCR Website | *Python, HTML, CSS*

Apr 2022 – Present

- Developing a website using Python, HTML, CSS; which gives text written on the image (Optical Character Recognition) using Pytesseract Library
- Can retrieve texts from multiple images on a single docx file/pdf file

COVID Detection using X-Ray Scans | *Python, Neural-Nets, CNN, sklearn*

Apr 2022 – Present

- Developing a whole pipeline, which will predict presence of COVID using X-Ray Scan
- Using OpenCV, Pillow and others for Image Processing
- Using different approaches to make prediction more accurate, thus making model more useful
- Try is to minimize False-Negative Rate

Flight Price Prediction | *Python, Machine Learning*

Apr 2022 – Present

- Developing a whole pipeline, which will predict the prices of flight tickets
- Using various ML Models to get a general and accurate model
- Try is to predict the prices accurately in festive season also

Region-of-Interest and Interestingness Score in VR | *Python, OpenCV, Pillow*

Dec 2021 – Present

- Finding a particular Region-Of-Interest while viewing whole 3D space in VR, to increase speed of transmission, along with less data-loss.
- Also finding Interestingness Score of a particular Region-Of-Interest (ROI)
- Different Results for short and long exposure to VR, based on Human Cognitive Sense

Signal Denoising-Deblurring model | *Python, matplotlib, Convolution*

June 2021 – Jul 2021

- Developed a Signal denoising-deblurring model to denoise and deblur images received as input
- Used concepts of Convolution, Fourier Transform and Inverse Fourier transform
- Used correlation as metric for our results

UNDERGRADUATE COURSES

Data-Structures and Algorithms, IIT Jodhpur

Grade: 9/10

Aug 2021 – Nov 2021

Software Engineering, IIT Jodhpur

Grade: In Progress

Jan 2022 – Present

Pattern Recognition and Machine Learning, IIT Jodhpur

Grade: In Progress

Jan 2022 – Present

OTHER SKILLS

Languages: C/C++, Python, django, HTML, CSS, Java, JS

Developer Tools: Git, VS Code, Visual Studio, PyCharm

Personal: Leadership Quality, Management Skills