

Devansh Bansal

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Education

Indian Institute of Technology, Jodhpur

Jodhpur, IND

Bachelor of Technology in Computer Science And Engineering

Nov. 2020 Aug 2024

Current CGPA: 9.52

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

Gujarat, IND

P-C-M with Computer Science

May 2013 May 2020

Percentile: 99.88

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

Aug 2021 Nov 2021

Grade: 9/10

Software Engineering, IIT Jodhpur

Jan 2022 Present

Grade: In Progress

Pattern Recognition and Machine Learning, IIT Jodhpur

Jan 2022 Present

Grade: In Progress

Other Skills

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

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

Personal: Leadership Quality, Management Skills