

VAIBHAV TRIPATHI

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EDUCATION

Indian Institute of Technology, Mandi

Master in Technology, Communication and Signal processing.
Specialization in Machine Learning

August 2019 - Present

Current CGPA: 7.55

Dr. Ram Manohar Lohiya Avadh University, Faizabad

Bachelor of Technology, Electronics and communication.

August 2012 - Oct 2016

Overall Percentage: 72.16

Government Inter College, Pratapgarh

HSC from state board

July 2009 - June 2011

Overall Percentage: 77.8

Government Inter College, Pratapgarh

SSC from state board

July 2008 - June 2009

Overall Percentage: 67.5

CAREER OBJECTIVE

To work for an organization which provides me the opportunity to improve my skills and knowledge to grow along with the organization objective.

EXPERIENCE

Teaching Assistant

I'm working as Teaching Assistant from July-2019 to till now in IIT Mandi. Here my responsibility is to taking lab session and solving doubt for Image processing, ML and data Science students.

Technical Support

I've worked as Technical Support from May-2018 to July-2019 in Business News Information Services Pvt. Ltd. Noida. Here my responsibility was to provide technically support to install required company software, solving software related issues of the staff and worked as a assistant with Web developer.

PROJECTS

Cross Domain Matching

This project belongs to matching two different domain object images. In this I'm working on iris data-sets. Our goal is to achieve other domain iris image and matching with given different domain iris image as input. Here I'm using the concept of image translation.

Alarm Classification in the big data analytic in the Cygnet Management System for large telecom networks.

This project aims to identify the raised alarm when network become failure to transmit data with the help of deep learning models and the data for this project is CygNet management data. This project helps to ISP(internet service provider) to find out the faults in internet.

Fingerprint Recognition

The project belongs to the image processing, aims to match two fingerprint image. Every fingerprint have unique minutiae, ridge dots and ridge bifurcation point. Using this concept In this project initially extract the minutiae point and then try to match both image minutiae using knn matching algorithm.

Image Segmentation

Image segmentation is the process of partitioning a digital image into multiple segments. Here used algorithm is clustering based segmentation. The aims of this project is to partitioning of image using K-means algorithm.

MINI PROJECTS

- Corner Detection in given image.
- Handwritten Digit Recognition.
- Image Transformation, Disparity Map.
- Vending Machine algorithm.

SKILLS

Programming Languages	Python, Tensorflow, Numpy, Pandas, C
Software & Tools	MATLAB, MS Office, Latex,
Operating system	Linux,Ubuntu,Windows

RELEVENT COURSES

- Deep Learning
- Computer vision
- Pattern Recognition
- Applied optimization
- Digital Image processing
- Matrix Theory
- Programming Practicum

ACHIEVEMENTS

- 2 times GATE Exam qualified.
- DRDO Scientist 'B' mains exam cleared.
- TCS NQT exam qualified.
- Got Deep Learning Course certificate from udeemy.
- School Cricket Team Captain in SSC and HSC .

HOBBY

- Cooking
- Playing Badminton and Cricket

DECLARATION

I hereby that the above mentioned information is correct up to my knowledge and I bear the responsibility for the correctness of the above mentioned particulars.