

# Rahul Makwana

Pursuing Artificial Intelligence From Cetennial College. Loves exploring and learning something new every day. Passionate about implementing and launching new projects. Ability to work with MYSQL, Python, Django, Flask, Keras, TensorFlow, PyTorch. Can work well under pressure and make the best of any situation. Passionate in Data Science, Machine Learning, and Deep Learning.

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- https://github.com/rahulmakwana1

## SKILLS

Machine Learning Supervised & Unsupervised, Recommender System, NLP, Python libraries (NumPy, pandas, sci-kit learn, nltk)	Python, Java, C , C++
Deep Learning ANN, CNN, RNN, GANs	Django ,FLASK, AWS
Frameworks TensorFlow, PyTorch, Keras	Computer Vision Image Processing (OpenCV),
Web Development	

## CERTIFICATIONS

Machine Learning A-Z™: Hands-On Python & R In Data Science	February 2020
Udemy	
This certification gave me hands-on experience to perform machine learning models on different datasets.	
Deep learning Specialization by Andrew Ng	May 2020
Coursera	
Data Science A-Z™ Real-Life Data Science	June 2020
Udemy	

## HOBBIES

- Travelling
- Programming
- Reading

## LANGUAGES

Gujarati	English
Hindi	

## WORK EXPERIENCE

Technocolabs	(July 2020 - August 2020)
Data Science Intern	
I have worked on clustering, principal component analysis, and other machine learning algorithms. also, I learned exploratory data analysis and data visualization.	
CodeSpeedy Technology Private Limited	(July 2020 - August 2020)
Content Writer machine learning and deep learning	
Here, I was working as a content writer of machine learning and deep learning and i have uploaded some articles you can check them by the following link.	
https://coderspacket.com/contributor/rahulmakwana	
The Sparks Foundation	(September 2020 - October 2020)
Machine Learning Intern	
Worked on supervised , unsupervised machine learning , clustering , data analysis and visulization by various libraries such as matplotlib , plotly , seaborn , ggplot , and a business analytics problem in which i have done exploratory data analysis using statistics , feature engineering and selection.	

## PROJECTS

American Sign Language Recognition	May 2020
Here, firstly I captured gestures by cv2 using a webcam. In model training, I have applied a Simple convolutional neural network and transfer learning models such as VGG16, RESNET50, VGG19, inception-V3. In which VGG16 and Simple CNN gained more validation accuracy(around 98% and 94% respectively).	
Covid-19 chest x-ray detection using VGG16 and VGG19	June 2020
Here, i have applied vgg16 and vgg19 and got 95% validation accuracy on both model, but precision and recall are best in VGG16	
Credit Card Fruad Detection using CNN,ANN,other regression models	August 2020
in this project, I have applied some regression methods. This dataset is severely imbalanced I have applied the smote method which is useful when we have an imbalanced dataset. I applied random forest, support vector machine, naive Bayes, ANN, and CNN in which CNN has best fitted for this dataset.	
Real time Face-recognition and Face Detection	August 2020
Here, I have applied transfer learning models such as vgg16, vgg19, resnet50, VGGface2. all models gained 94% accuracy and then made a real-time face recognition using open-CV.	

## EDUCATION

Centennial College	(September 2021 - May 2023)
P.G.D in Artificial Intelligence	
A. D. Patel Institute of Technology	(August 2016 - June 2020)
Bechelor Computer Engineering	7.47 CGPA
Atharava Vidhyalaya - Vadodara	(March 2016)
HSC: GSEB	60%
Vihaldeep Vidhyalaya - Vadodara	(april 2014)
SSC - GSEB	70.5%