PRANAV NERURKAR

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IMT Atlantique, 2 Rue de la Chataigneraea
Cesson Sevigne 35510 France

Contact
+919619997797
pranavn91@gmail.com

Date of Birth
24.04.1991

PROFILE

Researcher in Data Science. Seeking to leverage my technical and professional expertise.

SOFTWARE SKILLS

Python3-Keras,Sklearn

Python3-Seaborn,Matplotlib

Python3-Numpy, Pandas

R-Caret, Devtools

Latex

HTML5, Bootstrap4,CSS3

Google, Bing Webmasters tools

LANGUAGES

French

English

Hindi, Marathi (Indian)

CERTIFICATION

- Deep Learning by Coursera (2017)
- Machine Learning by Coursera (2017)
- Network Analysis by Coursera (2017)
- Convolutional Neural Networks by Coursera (2018)
- Recurrent Neural Networks by Coursera (2018)
- Hyper-parameter Tuning by Coursera (2018)
- Structuring Machine Learning Projects by Coursera (2018)
- Artificial Intelligence by IBM (2019)
- Data Science by IBM (2020)

PUBLICATIONS PROFILE

https://www.researchgate.net/profile/Pranav_Nerurkar

- Published in Journals:7
- Communicated to Journals:6
- Published in Conferences:14
- Communicated to Conferences:2
- Google Scholar: Citations: 68, H-index: 3, i10-index: 2
- Scopus: Citations: 42, H-index: 3, i10-index: 2
- Web of Science: Citations: 17, H-index: 2, i10-index: 1

Linkedin
linkedin.com/in/pranav-nerurkar-85a3a497

WWW
http://scholar.google.com/citations?user=VsYdrBsAAAAJ

Github
http://github.com/pranavn91/

EDUCATION

06.2016 - present
VJTI, University of Mumbai, Mumbai, India
Computer Engineering (Doctorate [Bac+8]) (Defence pending)

06.2013 - 06.2015
University of Mumbai, Mumbai, India
Computer Engineering (Masters [Bac+5])

06.2008 - 06.2012
University of Mumbai, Mumbai, India
Computer Engineering (Bachelors [Bac+3])

EXPERIENCE

03.2020 - 08.2020
SRCD Department IMT Atlantique Rennes
Raman Charpak Fellow
Detecting Illegal transactions in Bitcoin network

11.2019 - present
NMIMS University, India
Assistant Professor
Trainer in LSTM, GRU, RNN, Bidirectional LSTM

07.2019 - 11.2019
Atharva College of Engineering, Mumbai, India
Assistant Professor
Trainer in CNN, Object detection, DGGAN, 1D-CNN

07.2015 - 05.2016
Atharva College of Engineering, Mumbai, India
Assistant Professor
Trainer in Bagging, Boosting, Ensemble methods

07.2012 - 01.2013
St Francis Institute of Technology, Mumbai, India
Lecturer
Trainer in Decision Trees, Logistic regression, SVM

HOBBY

SEO   Technology   Swimming

CONFERENCE PUBLICATIONS

- ACM Proceedings (2019) - https://dl.acm.org/doi/abs/10.1145/3312614.3312627
- Advances in Intelligent Systems and Computing (2018) - https://doi.org/10.1007/978-981-13-1132-1_23
- Computing, Communication and Signal Processing (2018) - https://doi.org/10.1007/978-981-13-1513-8_32
- Advances in Intelligent Systems and Computing (2018) - https://doi.org/10.1007/978-981-13-1132-1_2
- Advances in Intelligent Systems and Computing (2018)- https://doi.org/10.1007/978-981-13-1513-8_23
- Advances in Intelligent Systems and Computing (2018)- https://doi.org/10.1007/978-981-13-0514-6_72
- *Procedia Computer Science (2017) - https://doi.org/10.1016/j.procs.2017.12.100*
- Procedia Computer Science (2017)- https://doi.org/*10.1016/j.procs.2017.12.099*

JOURNAL PUBLICATIONS

- Transactions on Emerging Telecommunications (2020)- https://doi.org/10.1002/ett.3988
- Turkish Journal of Electrical Engineering & Computer Sciences (2019) - https://10.3906/elk-1807-333
- Turkish Journal of Electrical Engineering & Computer Sciences (2019)- https://10.3906/elk-1806-91
- Turkish Journal of Electrical Engineering & Computer Sciences (2019) - https://10.3906/elk-1806-103
- Computer Science (2019) - https://journals.agh.edu.pl/csci/article/view/3167
- International Journal of Information Technology (2019) - https://doi.org/10.1007/s41870-019-00354-2
- International Journal of Information Technology (2019) - https://doi.org/10.1007/s41870-019-00344-4

ACADEMIC AND RESEARCH PROJECTS

- **Facial expression recognition (2020) -** built and trained a convolutional neural network (CNN) in Keras from scratch to recognize facial expressions. The data consisted of 48x48 pixel grayscale images of faces. The objective was to classify each face based on the emotion shown in the facial expression into one of seven categories (0=Angry, 1=Disgust, 2=Fear, 3=Happy, 4=Sad, 5=Surprise, 6=Neutral).
- **Facial Key point recognition (2020) -** Built a deep learning model based on Convolutional Neural Network and Residual blocks using Keras with Tensorflow 2.0 as a backend for facial key point recognition
- **Neural Style transfer (2020)-** created content and style models, computed content and style costs and ultimately ran a training loop to optimize a proposed image which retains content features while imparting stylistic features from another image
- **Fake News Detection with Machine Learning (2020) -** trained a Bidirectional Neural Network and LSTM based deep learning model to detect fake news from a given news corpus.
- **English/French Translator: Long Short Term Memory Networks (2020) -** trained a Long Short Term (LSTM) Network to perform English to French Translation
- **Named Entity Recognition using LSTMs with Keras (2020) -** used the Keras API with TensorFlow as its backend to build and train a bidirectional LSTM neural network model to recognize named entities in text data
- **Understanding Deepfakes with Keras (2020) -** implemented DCGAN or Deep Convolutional Generative Adversarial Network, and you will train the network to generate realistic looking synthesized images
- **Explainable AI: Scene Classification and GradCam Visualization (2020)** - used Convolutional Neural Networks (CNNs) and Residual Blocks to detect the type of scenery in images
- **Transfer Learning for Food Classification (2020)** - trained a deep learning model to predict the type of food and then fine tune the model to improve its performance
- **Convolutions for Text Classification with Keras (2020)** - worked on classifying a large number of Wikipedia comments as being either toxic or not
- **Classify Radio Signals from Space using Keras (2020)** - used Keras to solve an image classification problem. The data used consisted of 2D spectrograms of deep space radio signals collected by the Allen Telescope Array at the SETI Institute.