



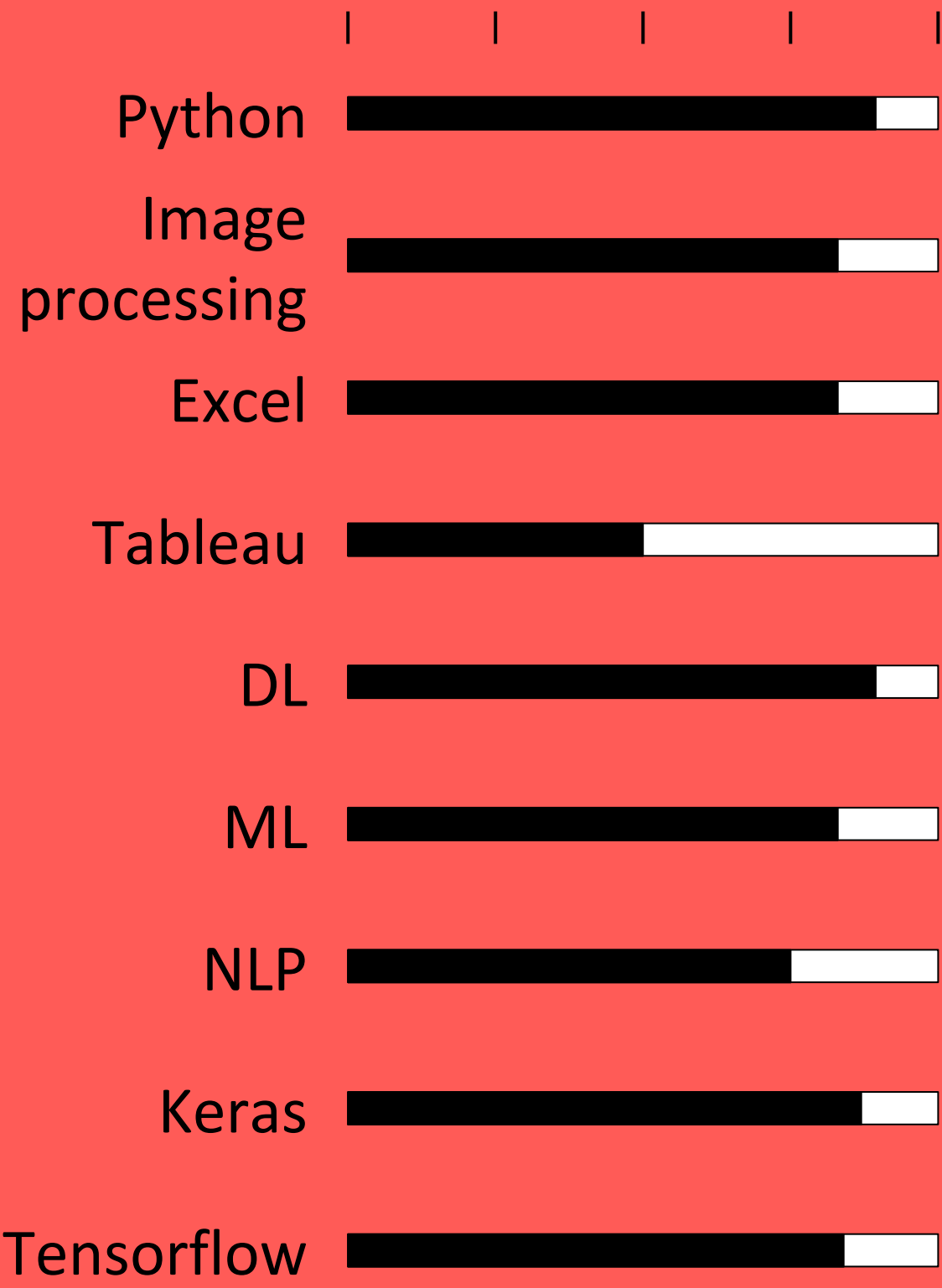
SANJYOT S. ZADE

SENIOR DATA SCIENTIST

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Aspiring for challenging tasks in deep learning applications & AI development

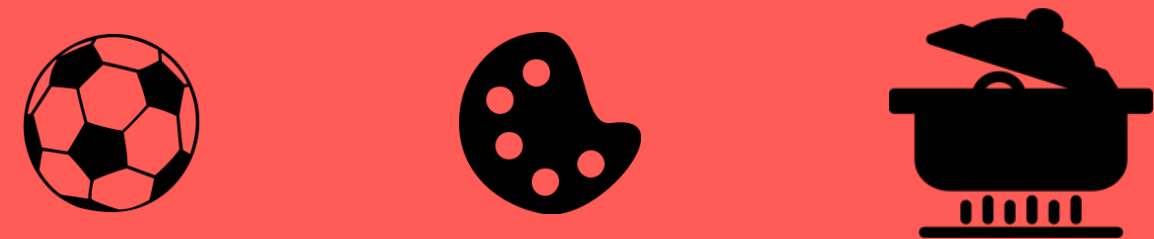
TECHNICAL SKILLS



Awards and Courses

- Completed all courses in deeplearning.ai by Andrew Ng
- Won Bronze medal representing IIT KGP in Inter-IIT football tournament, and several interhall medals

HOBBIES



EDUCATION

BTech - MTech Dual Degree in Electrical Engineering

2011-2016

Indian Institute of Technology, Kharagpur

Post graduation in Instrumentation & Signal Processing

EXPERIENCE

Youplus Inc.

Oct18-Present

Leading computer vision team in development of image & video based solutions for extracting high definition meta-tags in video

- Intensity of facial expression identification
- Automated thumbnail generation for video
- Activity detection, using spatio-temporal feature in video
- Category of facial expression identification
- Image enhancement and Image super-resolution
- Smoking, drugs and arms detection in the video
- Nudity detection in video, non-temporal CNN model
- "Model extraction" from e-commerce's taxonomy (NLP)
- Forced alignment, text alignment to audio (Speech)

Quantiphi Analytics solutions

Jun16-Oct18

Video Processing Product

Nov17-Oct18

Lead a technical team in development of AI powered video intelligence tool which generates high-def meta tags from video

- **Face Recognition & Face Profiling** Aug17-Sep17
 - Automated face detection-tracking-encoding-recognition
 - Tiny faces & 29 Layer Resnet/facenet for face encoding
 - 4 Layer DNN for face recognition achieved 92% accuracy
 - Detecting age-gender with squeeze-net neural network trained on wiki and imdb dataset with an accuracy of 82%
 - Open pose NN implementation for full/half body detection
- **Custom feature detection** July17-Oct17
 - Trained CNN model Retina Net to detect brand logo like NIKE, Adidas etc with precision of 92.5%
 - Custom object detection by training Faster RCNN-Inception ResNet to identify objects like cigarette, trophy, NSFW etc
 - Camera angle detection, custom locale detection, generic locale detection using deep convolutional neural networks
 - Highpoint identification using audio analysis
 - Keyword detection: camera cut, speech to text and NLP

Content Feature Analysis

2016-2017

- NLP on 6-HGEC & 3-BGEC shows data i.e 7000*30 min TV
- Automated NLP framework to extract characters, emotions, event using lexical analysis, POS tagging, NER, Topic Modelling-LDA, proximity analysis and word-to-vec

Personal development

- Portrait-image using depth estimation & segmentation
- Automated object annotation tool with multiple tracking
- Semantic and instance based object segmentation
- Automated subset-of-imagenet downloading framework
- CNN classification hub, Object tracking, DL with keras
- Photo attendance app, googleOnTap & OLA corporate track