



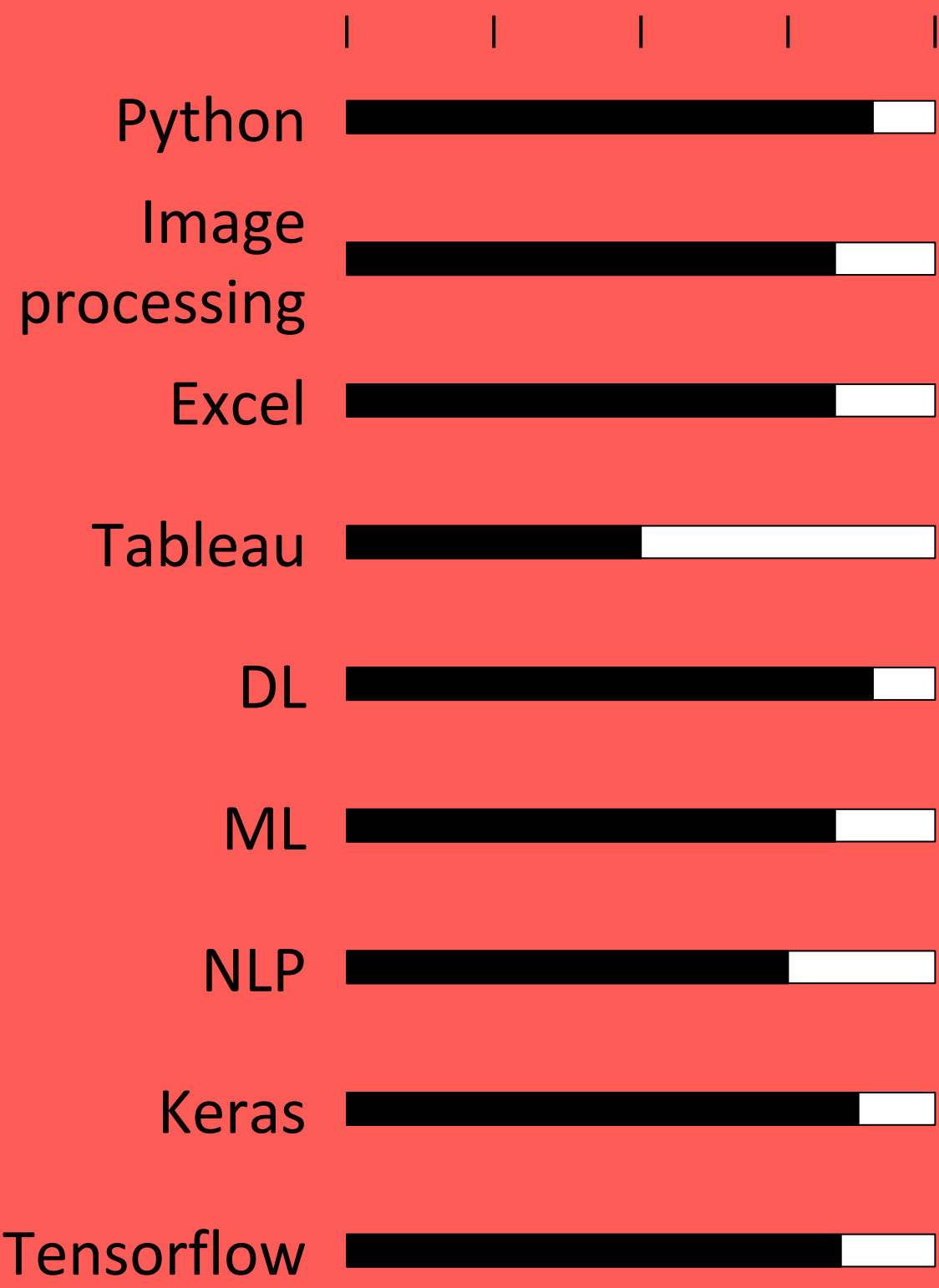
SANJYOT S. ZADE

SENIOR DATA SCIENTIST

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Aspiring for challenging tasks in deep learning applications & AI development

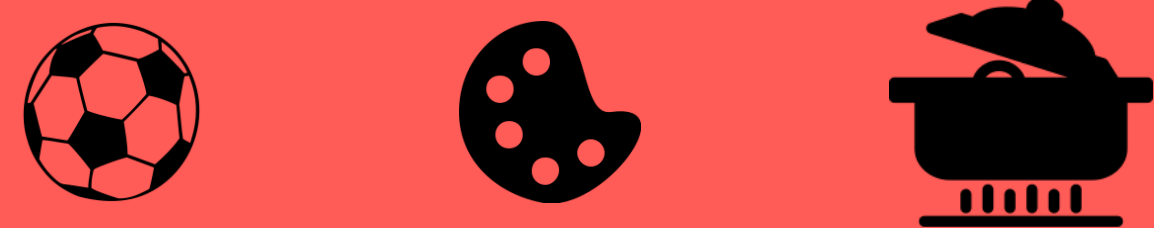
TECHNICAL SKILLS



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 content restriction & aesthetics enhancement
- Intensity & category of facial expression identification
 - Automated thumbnail generation for video
 - Activity detection, using spatio-temporal feature in video
 - Image enhancement and Image super-resolution
 - Shaving, smoking, drugs and arms detection in the video
 - Nudity detection in video, non-temporal CNN model
 - BERT for similar question pair identification (NLP)
 - Punctuating text from ASR using ELMo (NLP)
 - "Model" extraction from e-commerce's taxonomy (NLP)

Quantiphi Analytics solutions

Jun16-Oct18

Video Processing Product

- Lead a technical team in development of AI powered video intelligence tool which generates high-def meta tags from video
- **Face Recognition & Face Profiling**
 - 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
 - Open pose NN implementation for full/half body detection
 - **Custom feature detection**
 - 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(NLP)

- 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

Oct18- Present

- 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