Shubhajit **Das**

AI in the Service of Mankind

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Education

G.C.E, Keonjhar [Government College of Engineering, Keonjhar] *Aug. 2015 - Exp. May. 2019*

B.Tech. in Computer Science and Engineering, CGPA= 8.35 *Keonjhar, Odisha*

- Notable undergraduate Coursework: Data Structures, Operating Systems, Algorithms, Computer Networking, Database Systems

Work Experience

Azuik Technologies [Bangalore, India] *Oct. 2018 - Present*

Machine Learning Intern *Work From Home*

- Working on a Computer Vision and NLP based System
- Experimenting with different model architectures,analyzing the results with the curated validation sets
- Also working on the server side scripts

GISCLE Systems [Bangalore, India] *July. 2018 - Aug. 2018*

Deep Learning Intern *Work From Home*

- Worked with VGG architecture for some Fine-grained classification tasks.

Udiyate Technologies [Bhubaneswar, India] *May. 2018 - July. 2018*

Deep Learning Intern *Bhubaneswar, India*

- Developed worked on real time object detection system for some custom objects.
- Designed the whole pipeline including data collection, preparation, annotation, modelling and fine-tuning.Experimented with different model architectures (YOLO-v2, Faster-RCNN, SSD).
- Used Tensorflow (Keras) along with other python libraries like OpenCV, matplotlib, numpy.

Projects

Crop Disease Detector *Dec. 2018 - Jan. 2019*

Opensource Project : https://which-crop-disease.onrender.com/

- Identifying the disease in the crop given an image of it's infected leaves.
- Trained Resnet50 on PlantVillage dataset (38 classes) using 1-cycle-Policy with fastai which gave an accuracy of 99.7%

Fisheries Monitoring *Oct. 2018*

Kaggle competition

- A Resnet50 model for the finegrained classification of 8 different category of fishes in the images

Dog Breed identification *Jun. 2018*

Kaggle competition

- A Resnet50 model for identifying the dog-breed in dog-images (out of 120 breeds),with an accuracy of 92.22%

Skills

Programming Languages	Python, Java, C, HTML, JavaScript, Dart
Miscellaneous	Machine Learning, Deep learning, Computer Vision, NLP
Frameworks / Libraries	PyTorch, fastai, deeplearning4j, Keras, scikit-learn
IDEs /Editors / VCS	PyCharm, VS Code, Jupyter Notebook, Git, Github

Coursework

- fastai (part 1): Practical Deep Learning for Coders
- fastai (part 2): Cutting Edge Deep Learning For Coders
- CS231n: Convolutional Neural Networks for Visual Recognition
- Deep Learning Specialization : deeplearning.ai (Coursera)
- Machine Learning (by Andrew Ng.) : Coursera