Shubhajit **Das**

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Work Experience

Aryabhatta Robotics *May 2019 - Present*

Deep Learning Intern *Bangalore, India*

- Working on a end to end Computer Vision based software which included Face Recognition, Object Detection, Eye Gaze tracking
- Responsibilities includes training of neural nets and the deployment

Education

Government College of Engineering, Keonjhar [BPUT, ODISHA] *Aug. 2015 - Apr. 2019*

B.Tech. in Computer Science and Engineering, CGPA=8.51/10 *Keonjhar, Odisha*

F.M. Junior College, Balasore [CHSE, ODISHA] *Aug. 2012 - April 2014*

12th - 64.17% | 10th - 85.5% *Balasore, Odisha*

Internships

Azuik Technologies *Oct. 2018 - Dec. 2018*

Machine Learning Intern *Bangalore, India*

- Worked on a Computer Vision and NLP based System
- Experimenting with different model architectures,analyzing the results with the curated validation sets

GISCLE Systems *July. 2018 - Aug. 2018*

Deep Learning Intern *Bangalore, India*

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

Udiyate Technologies *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, 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, C++, Java, C, HTML, PHP, Dart
Miscellaneous	Machine Learning, Deep learning, Computer Vision, NLP
Frameworks / Libraries	PyTorch, Tensorflow, fastai, Keras, scikit-learn
IDEs /Editors / VCS	PyCharm, VS Code, Jupyter Notebook, Git, Github

Coursework

- Undergraduate Coursework: Data Structures & Algorithms, Operating Systems, Computer Networking, Database Systems
- 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

**References available upon request*