Shubhajit Das

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EDUCATION

GCE, KEONJHAR | B.Tech Computer Science & Engineering — Odisha | Aug 2015 - May 2019
CGPA: 8.58

F.M. JUNIOR COLLEGE, BALASORE | 10+2 Science — Odisha | Aug 2012 - June 2014
Percentage: 85.50 in 10th | 64.17 in 12th

EXPERIENCE

TATA CONSULTANCY SERVICES | Assistant System Engineer — Bengaluru | January 2020 – Present

- C++ Development

INTERNSHIP EXPERIENCE

ARYABHATTA ROBOTICS | Deep Learning Intern — Bengaluru | May 2019 – June 2019

- Optimized the existing real-time Object Detection pipeline to perform 37x faster (0.38fps to 14fps) on the edge devices which helped in 22% increase of the revenue.
- Improved the Age-gender prediction engine accuracy and also reduced the latency time to as lower as 1ms.

AZUIK TECHNOLOGIES | Software Development Intern — Bengaluru | Oct 2018 – Dec 2018

- Build a Computer Vision based software from scratch for both mobile and web platforms (coding and refactoring), which enabled it in getting 3 initial stage investors.

UDIYATE TECHNOLOGIES | Deep Learning Intern — Bhubaneswar | May 2018 – July 2018

- Designed the complete pipeline and develop solutions for a real time malicious object detection problem starting from data collection, preparation, annotation, modeling, fine-tuning to the deployment, which in turn helped in maximizing the installation numbers of the software from 2 to 65+.

PROJECTS

CROP DISEASE DETECTOR github.com/shubhajitml/crop-disease-detector — March 2019
Trained a Resnet50 model on PlantVillage dataset (38 classes) using 1-cycle-Policy with fastai which gave an accuracy of 99.7% capable of identifying the disease in the infected leaves of a crop.

FOOD-101 CLASSIFIER github.com/shubhajitml/food-101 — June 2019
Training on food-101 dataset which achieved SOTA top-1 accuracy (=90%) using 1-cycle-policy with pytorch & fastai.

SKILLS

Programming Languages	C++, Python, Java, SQL
IDEs /Editors / VCS	VS Code, IntelliJ, Jupyter Notebook, Git, Github
OS / Cloud Platforms	Linux, Windows, AWS, GCP
Miscellaneous	Deep Learning, Computer Vision

COURSEWORK

UNDERGRADUATE
Data Structures & Algorithms | Operating Systems | Computer Networking | Databases

OTHERS
CS231n (Stanford University) | fastai (part 1 and 2) | Deep Learning Specialization (Coursera)