



Antoreep Jana

Last Update: 24-02-2023

Data Scientist

Data Scientist with proficiency in predictive modelling, data processing, as well as writing efficient and optimized scripts using Python. Highly Capable and competent to create, develop, and deploy diverse solutions which translate business and functional qualifications to substantial deliverables. Loves Machine Learning, Data Analysis, Computer Vision, NLP mixed with automation.

✉ antoreepjana@gmail.com

📍 Delhi, India

🎂 21st June, 1998 (24 yrs old)

☎ +91-9953525005

Work Experience

Machine Learning Solutions Engineer, Full Time

Edgecortex Inc., Japan

06/2022 – 11/2022

- Single-handedly wrote scripts to automatically quantize the latest TF and torch popular models and deploy to the company software
- Quantized popular models in CV domain like DenseNet, InceptionV4, UNet++, U2Net, SegNet, SCI, and many others & deployed on company software.

Computer Vision Engineer, Full Time, Part-Time

Yactraq Services Ltd., Canada

02/2022 – 06/2022, 06/2022-11/2022

- Lead projects on the CV front for image data manipulation like **GANs** for Image Enhancement, Similar Image Generation
- Created Segmentation pipeline on satellite images of Vegetation Cover, Solar Panels with **91% dice score**.
- Object Detection pipelines to detect buildings, cars in satellite images with **90% mAP**
- Worked on various spectra of Images like SAR, LIDAR etc.

CV, Machine Learning Engineer, Full Time

NewSpace Research & Technologies Pvt. Ltd, India

01/2021-02/2022

- Operated single-handedly graph neural networks achieving 85% accuracy score and made modularized python scripts.
- Implemented object detection Pipelines using yolov4 integrated with Weights & Biases achieving performance score 94% [mAP@0.5](#)
- Acquired high-quality datasets as well and maintained the training pipeline of 25K images

Data Analyst & CV Engineer, Full Time

Rooit TechStars, Taiwan

07/2020 – 10/2020

- Yielded data from MongoDB servers under 5 seconds through help of optimized python scripts
- Engineered optimized data analysis to fetch customer behavioural pattern analysis to be utilized for A/B analysis resulting in 20% growth in retention
- Planned Computer Vision training pipeline along with dataset preparation. Designed models with accuracy score of 96% to auto-tag the user posts

Major Personal Projects

[quick_ml](http://www.quickml.info) (www.quickml.info)

Author August, 2020 – Present

Expedites Computer Vision Classification by utilizing the power of TPUs & TFRecords by wrapping on top of custom utilities to achieve speed boost of **x30 times**.

(Computer Vision, Python) [94K+ downloads]

[QMA](http://www.quickmessagingassist.com) (www.quickmessagingassist.com)

Founder October, 2020 - Present

(Software Engineering, Python)

Research Projects

- Sentiment Analysis using Deep Learning and Machine Learning
- Shadow Detection using DenseUnet
- Shadow Detection using GAN with residual CNN Discriminator

Awards & Honours

- Kaggle (x3 Expert) with ranks under 500
- National Talent Search Examination Scholar
- Junior Science Talent Search Examination Scholar (Delhi 24)

Languages

English, Bengali, Hindi

General Skills

Data Visualization, Machine Learning, Statistical Analysis, Computer Vision, Deep Learning, NLP, Presentations

Technical Skills

Operating Systems: Linux, Windows

SQL: PostgreSQL

Programming Language & Frameworks

Python 3.x, Javascript

ML → scikit-learn, opencv,

DL → Tensorflow, Keras, PyTorch

MLOPs → Docker, Git, Weights&Biases, FastAPI, Flask, Quantization

Soft Skills

Goal Setter, Planner, Public Speaking, Innovative, Self-Motivated, Team Work, Questioning, Professionalism, Experimenting, Commitment

Certificates & Test Scores

- Data Camp Assessments – **99.67** percentile (Average of 6 assessments)
- CutShort.io Assessments – DL, ML, Python – **Advanced** Proficiency
- DeepLearning.ai Tensorflow Specialization
- AI for Medical Specialization
- GANs Specialization

Education

Bachelor of Technology, **Information Technology**

Delhi Technological University, CGPA 8.28 First Class First Division

Interests

Debating, Writing, Reading

Relevant Links

PyPi → https://pypi.org/user/Antoreep_Jana/

Kaggle → <https://www.kaggle.com/antoreepjana>

GitHub → <https://www.github.com/antoreep-jana>

GitLab → https://gitlab.com/antoreep_jana

YouTube → <https://www.youtube.com/user/antoreepjana>

LinkedIn → <https://www.linkedin.com/in/antoreep-jana/>