

Fortran + Python+ Machine Learning in the Design + Development + Testing of Image Processing Algorithms Implementations towards better Cryo-EM/Medical Image Processing Informatics High Performance Computing Frameworks.

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[I] Information on our Idea ->

- ➔ Start -> [Fortran Image Processing Tools(e.g. SIMPLE or any other Fortran Tool + FKB + Keras + Other Concepts/like Neural Fortran] -> Cryo-EM Image Processing or MRI Scans/X-ray etc.. ->
- ➔ Processing on HPC Cluster in Heterogeneous Computing Environments
- ➔ For Further R&D Analysis + Testing in the Context of BIGDATA/HPC Systems
- ➔ Fine TUNE the parameters
- ➔ Continue till the specified requirements are met
- ➔ END the Process.

Important References -> Fortran + Python :

<https://arxiv.org/abs/2004.10652> ; arXiv:1902.06714v2 - 25 Mar 2019 ; <https://keras.io/>

https://github.com/hpcnpatel/Fortran_Image_Processing - Image Processing R&D.

<https://github.com/modern-fortran/neural-fortran> ; <http://simplecryoem.com/> - Cryo-EM Image Processing ;

<https://vixra.org/abs/1907.0397> - Julia + Fortran interfacing using SIMPLE – Important Reference to TEST our Idea/s **

<https://github.com/tejdnk-2019-ShortNotes/tejdnk-Space-Medicine-Informatics-github.io/blob/master/Exploring-Fortran-Python-cryoEM-Img-Nirmal-2020.pdf> *****

[II] Acknowledgment/s :

Sincere Thanks to all WHO made this happen in my LIFE. Non-Profit R&D.

[THE END]