

Ruby on Android Platforms i.e -> Ruby + Android w.r.t Testing & Using DICOM + Medical Imaging Algorithms & Informatics involving : AI/ML/DL + Smart Devices [SD] + IoT + HPC Heterogeneous Systems + MongoDB-ruby + PUMA + other Ruby/mruby Tools -> A Suggestion for Deriving Next Generation Medical Imaging R&D Software.

[Exploring : RUBOTO + JikesRVM/JVM + ImageJ/Fiji + AI -> Advanced Imaging -> in Dynamic IoT Computing Environments]

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[I] Main Idea + Inspiration + Introduction :

As per our TITLE mentioned we are interested in probing Novel Algorithms by using the following tools ->

- [a] Ruby : <https://www.ruby-lang.org/en/>
- [b] Android : https://www.android.com/intl/en_in/
- [c] Ruboto : <http://ruboto.org/>
- [d] PUMA : <https://github.com/puma/puma>
- [e] QRNG - libqrng/mruby : <https://github.com/cremno/mruby-libqrng>
- [f] LLVM - llrb : <https://github.com/k0kubun/llrb>
- [g] AI/ML/DL : <https://github.com/arbox/machine-learning-with-ruby>
- [h] DICOM + MRI Scans :
- [i] JRuby + ImageJ/Fiji : <https://www.jruby.org/> && <https://imagej.net/plugins/mri-perfusion>
- [j] JI Prolog : <http://www.jiprolog.com/>
- [k] DVM : Dalvik Virtual Machine -> <https://www.javatpoint.com/dalvik-virtual-machine>
- [l] JikesRVM - Research Virtual Machine - RVM -> <https://www.jikesrvm.org/>
- [m] Jam VM : <http://jamvm.sourceforge.net/>
- [n] Metascala VM : Scala based Virtual Machine -> <https://github.com/lihaoyi/Metascala>

[II] Ruboto based Image Processing + Informatics Framework Using Ruby + Android :

We have given you maximum input now please derive your own R&D informatics framework

We are enjoying RUBOTO -> by Testing our Novel Algorithms on Android Phones.

Rigorous Testing in Progress @ the TIME of Submission.

Thanks for understanding - Nirmal.

[III] Important & Useful References :

- [a] <https://github.com/tejdnc-2019-ShortNotes> -> Lot of examples for your use - With Thanks - from Nirmal - Please read our online notes.
- [b] <https://github.com/tejdnc-2019-ShortNotes/tejdnc-Space-Medicine-Informatics-github.io/blob/master/Maxima-Android-Nirmal-2020-Imaging-Informatics.pdf>*****
- [c] <https://github.com/tejdnc-2019-ShortNotes/tejdnc-Space-Medicine-Informatics-github.io/blob/master/AVNET-U96-Ruby-Nir-21.pdf>*****
- [d] <https://developer.ibm.com/articles/wa-ruby/>*****

Keep Hacking & Keep Testing Novel Ideas -> to derive Novel Algorithms -> Advanced Applications w.r.t Mobile Radiology.

[IV] Acknowledgment/s : Sincere Thanks to all WHO made this happen in my LIFE.Non-Profit R&D.Inspire others always.

[V] Conclusions with Future Perspectives : One of the pioneering R&D Efforts in this highly challenging domains of Medical Imaging & Informatics.

“ RUBY IS MEANT FOR HUMANS NOT MACHINES “ -> from Matz - No doubt we are sure about it.

[THE END]