## Exploring Random Forests to Understand MRI Scans Using Ruby + AI Software Tools w.r.t Intel Movidius + Smart Devices + IoT+HPC Heterogeneous Systems – A Novel Idea on Rapid Prototyping of Medical Imaging Algorithms.

Nirmal – Informatics R&D USA/UK/Israel/Japan/BRICS Group of Nations.

Current Member ante Inst UTD Dallas TX USA.

Contact\_info <a href="https://hmfg2014@gmail.com">hmfg2014@gmail.com</a>

## [I] Main Idea + Inspiration + Introduction :

Random Forest Regression for Magnetic Resonance Image Synthesis by Amod et al → Med Image Anal. 2017 January; 35: 475–488. doi:10.1016/j.media.2016.08.009.

## [II] R&D Informatics Framework Using Ruby & its Related AI Tools:

AN ADVANCED MEDICAL IMAGING FRAMEWORK TO PROBE MRI SCANS USING MULTI-DISCIPLINARY APPROACH. C & RUBY IS A GOOD COMBINATION.

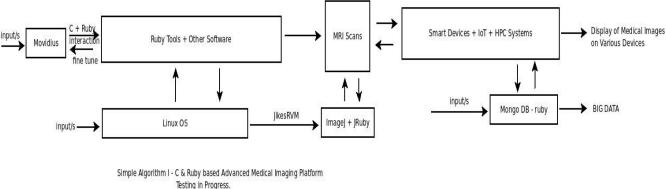
WE HAVE SUCCESSFULLY USED RUBY FOR RAPID PROTOTYPING OF OUR IDEAS.

IT WORKS.

USED RUBY /MRUBY/C/QRNG - lib-qrng/ruby -> to probe Medical Images.

Please Check our Notes on github or elsewhere.

Thanks - Dr.Nirmal.



One of the pioneering R&D Efforts in this challengin domain Approximate Idea OnlyPlease Check + Satisfy. Actual Implementation Will Certainly Vary. Thanks - Dr.Nirmal.

[ Figure I – Simple Algorithm I – To TEST our Imaging Algorithms Using C & Ruby ]

Please Check for Ruby based Software online – we are not mentioning here. Thanks. Lot of information online.

 $\textbf{[II] Some Important References:} \ [a] \ \underline{https://github.com/tejdnk-2019-ShortNotes/2021-Nir-Informatics}$ 

Non-Profit R&D . Inspire Others Always. Sincere Thanks to all WHO made this happen.

[THE END]