

An Interesting+Promising Suggestion based on [CLIPS/Psyclone] related AI Frameworks & their [Extension + Interfacing] with Ruby-LLVM Software in the Context of IoT/HPC Heterogeneous Image Processing Environment/s – Let us Happily Explore Ruby Language towards Designing Advanced Expert Systems for Multi-disciplinary R&D involving Next Generation Smart Devices [Hardware/Software/Firmware].

[C/C++/Ruby/LLVM based AI Revolution → Advanced Medical Image Processing]

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[I] Inspiration+Introduction :

<http://www.clipsrules.net/index.html> – **CLIPS Software in C Language.**

<https://cmlabs.com/psyclone> – **Psyclone Software in C++ Language.**

<https://github.com/Homebrew/homebrew-core/blob/master/Formula/llvm.rb>

<https://www.ibm.com/developerworks/library/os-extendruby>

<https://www.slideshare.net/tristanpenman/extending-ruby-using-cpp>

<https://github.com/SketchUp/ruby-c-extension-examples>

chris911.github.io/blog/2014/08/10/writing-a-ruby-gem-with-c-extension

<https://www.amberbit.com/blog/2014/6/12/calling-c-cpp-from-ruby>

<https://www.prasunanand.com/ruby-c-extensions/2017/06/23/gsoc17-ruby-c...>

aaronbedra.com/extending-ruby

blogs.harvard.edu/hoanga/2006/12/14/getting-a-ruby-c-extension-to-compile-on-windows

<https://rubyinstaller.org/add-ons/devkit.html>

<https://llvm.org> && <https://en.wikipedia.org/wiki/LLVM>

<https://github.com/llvm> && <https://clang.llvm.org>

<https://www.ruby-lang.org> && [https://en.wikipedia.org/wiki/Ruby_\(programming_language\)](https://en.wikipedia.org/wiki/Ruby_(programming_language))

<https://www.geeksforgeeks.org/ruby-programming-language>

<https://www.quora.com/What-is-the-Ruby-language-and-in-which-field-is-it-used>

https://en.wikipedia.org/wiki/Ruby_on_Rails

<https://hokstad.com/compiler>

https://www.reddit.com/r/ruby/comments/ck7rno/ruby_to_design_a_compiler

<https://github.com/charles-l/koona>

<https://developer.ibm.com/code/2017/03/01/ruby-omr-jit-compiler-whats-next>

<https://www.infoworld.com/article/3245665/whats-new-in-ruby.html>

<https://github.com/AndrewRadev/image-processing>

<https://www.math.wisc.edu/~angenent/preprints/medicalBAMS.pdf>. PDF file

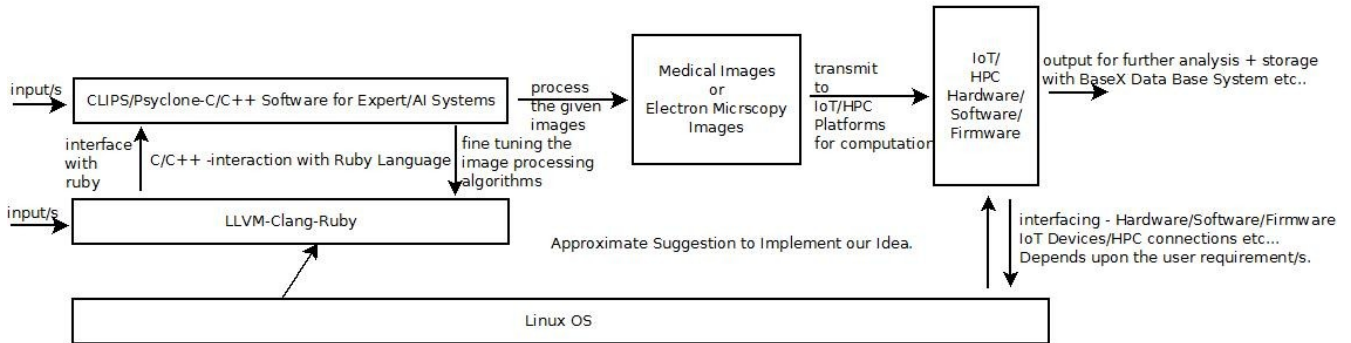
https://en.wikipedia.org/wiki/Medical_image_computing

https://rubygems.org/gems/image_processing/versions/1.9.3

www.cs.umd.edu/~hjs/pubs/medicalimagepapers/TahmouhSPE07b.pdf. PDF file

[III] [C/C++/Ruby/LLVM/llvm-rb] – AI Frameworks Based Informatics Platform Design Implementation :

Advanced Image Processing & Informatics Framework Involving - C/C++/LLVM/llvm-rb/CLIPS/PSYCLONE - Software Tools for our R&D.



Algorithm I - Advanced Image Processing +Informatics Framework Using CLIPS+PSYCLONE+RUBY+LLVM/llvm-rb in the Context of IoT/HPC Heterogeneous Environment/s.
 Actual Implementation will certainly vary.
 Testing in Progress with some promising results.
 Using Ruby-LLVM has many advantages in IoT/HPC scenario.
 Please Check & Satisfy Yourselves - Read all the references presented in our Short Communication.
 Thanks - Dr.Nirmal

**[Figure I – Algorithm I – Advanced Rapid Prototyping LLVM–Ruby based AI Image Processing Platform]
 Interested in creating a new AI foundation for Complex & Interactive Systems.**

****** Some useful information based on Ruby in the context of Medical Image Processing R&D :**

<https://github.com/dicom/ruby-dicom>

dicom.github.io/ruby-dicom/publications.html

[III] Some Useful R&D Information (((((via)))))) Vixra.org :

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www.vixra.org/author/n_t_kumar

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[IV] Acknowledgment/s :

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

[v] Reference/s :

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2039808>

[THE END]