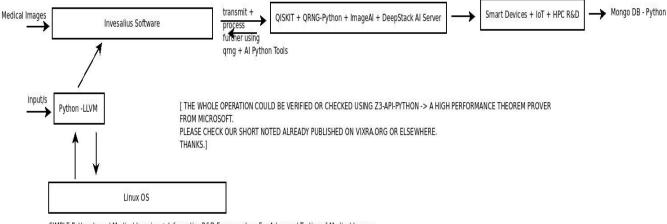
Understanding + Exploring Advanced Python based Medical Image Processing Informatics Framework Towards Direct Hands-on R&D Testing Architecture Implementation – An Interesting Suggestion Using Python + OCaml + Owl + Coq Theorem Prover + LLVM + Clifford-SVMs + Other libSVMs.

[ Comparison of Different SVMs in Medical Imaging Domains Using Intelligent IoT + HPC Platforms/Clifford Algebras ]

Dr.Nirmal Tej Kumar – Senior Scientist – Informatics R&D - <a href="https://media.com">hmfg2014@gmail.com</a> [ USA/Brazil/Israel]

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

A NOVEL IMPLEMENTATION OF PYTHON BASED MEDICAL IMAGE PROCESSING TEST BED ARCHITECTURE. ONE OF THE PIONEERING R&D EFFORTS IN THIS DYNAMIC + CHALLENGING DOMAIN. PYTHON IS USED FOR RAPID PROTOTYPING HENCE THIS SHORT TECHNICAL COMMUNICATION FROM US.



SIMPLE Python based Medical Imaging + Informatics R&D Framework -> For Advanced Testing of Medical Images

in Heterogenous Computing Environments.

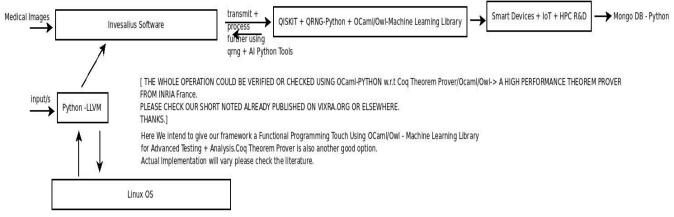
Please Check. Actual Implementation will vary.

Testing in Progress.

Thanks for Understanding - Dr.Nirmal.

[ Figure I – Simple Algorithm I – Python based Medical Imaging Framework ]

A NOVEL IMPLEMENTATION OF PYTHON - OCAML BASED MEDICAL IMAGE PROCESSING TEST BED ARCHITECTURE. ONE OF THE PIONEERING R&D EFFORTS IN THIS DYNAMIC + CHALLENGING DOMAIN. PYTHON IS USED FOR RAPID PROTOTYPING HENCE THIS SHORT TECHNICAL COMMUNICATION FROM US.



SIMPLE Python - Ocami based Medical Imaging + Informatics R&D Framework -> For Advanced Testing of Medical Images

in Heterogenous Computing Environments.

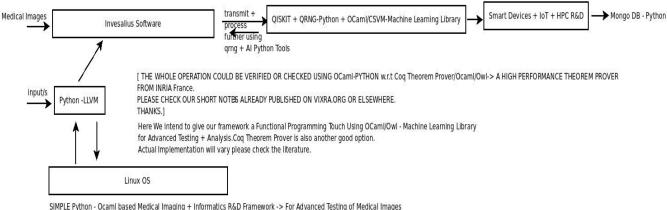
Please Check.Actual Implementation will vary.

Testing in Progress.

Thanks for Understanding - Dr.Nirmal.

## [ Figure II – Simple Algorithm II - Python + OCaml based Medical Imaging Framework ]

A NOVEL IMPLEMENTATION OF PYTHON - OCAML BASED MEDICAL IMAGE PROCESSING TEST BED ARCHITECTURE. ONE OF THE PIONEERING R&D EFFORTS IN THIS DYNAMIC + CHALLENGING DOMAIN. PYTHON IS USED FOR RAPID PROTOTYPING HENCE THIS SHORT TECHNICAL COMMUNICATION FROM US.



SIMPLE Python - Ocaml based Medical Imaging + Informatics R&D Framework -> For Advanced Testing of Medical Images

in Heterogenous Computing Environments.

Please Check.Actual Implementation will vary.

Testing in Progress.

Thanks for Understanding - Dr.Nirmal.

\* CSVM - Clifford Support Vector Machine. > Our Comparison is unique & one of the pioneering R&D Efforts

in this highly challenging domain of Medical Imaging.

[ Figure III – Simple Algorithm III - Python + OCaml based Medical Imaging Framework ]

## [II] Important References:

- [a] https://github.com/tejdnk-2019-ShortNotes && [b] https://www.cti.gov.br/pt-br/invesalius
- [c] <a href="https://www.vixra.org/author/nirmal-tej-kumar">https://www.vixra.org/author/nirmal-tej-kumar</a>
- [d] https://github.com/pygae/clifford
- [e] <a href="https://ncatlab.org/nlab/show/Clifford+algebra">https://ncatlab.org/nlab/show/Clifford+algebra</a>

[III] Acknowledgment/s: Sincere Thanks to all. Non-Profit R&D. Inspire Others Always.

**[IV] Conclusion/s With Future Perspectives :** Understanding + Exploring Advanced Python based Medical Image Processing Informatics Framework Using Python + Clifford Algebra + OCaml + Owl + LLVM + QRNG + Other Related Tools Like Clifford SVMs [ C-SVMs ] for Rigid Comparison was proposed.

[THE END]