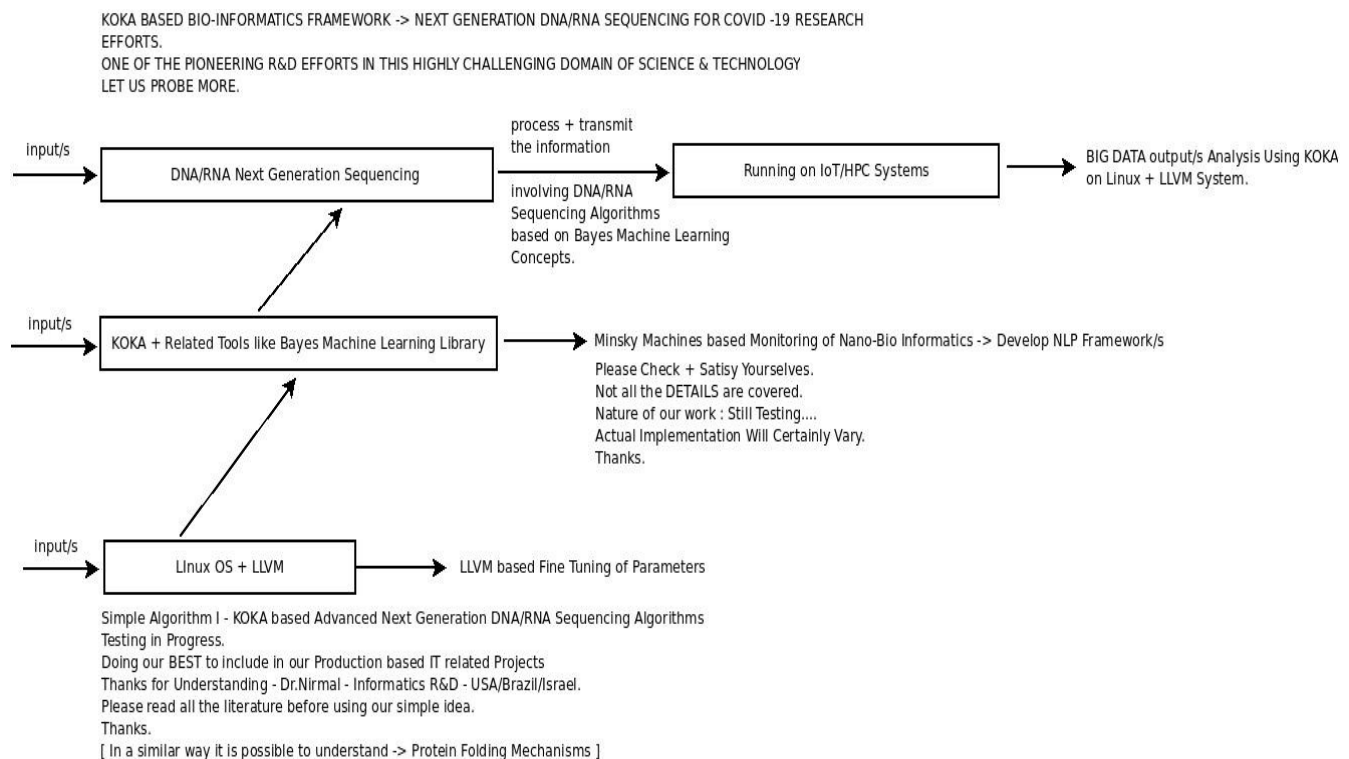# Bayesian Machine Learning Algorithm + Garsia–Wachs [GW] Algorithm + NLP w.r.t KOKA Language involving [DNA & RNA] Sequencing Towards [Designing + Testing + Implementing] Next Generation Bio-informatics Using Minsky Machines on HPC Heterogeneous Platforms.

Nirmal – Informatics R&D – USA/UK/Israel/BRICS Group of Nations.
Current Member – ante Inst UTD Dallas TX USA.
Contact_info – hmfg2014@gmail.com
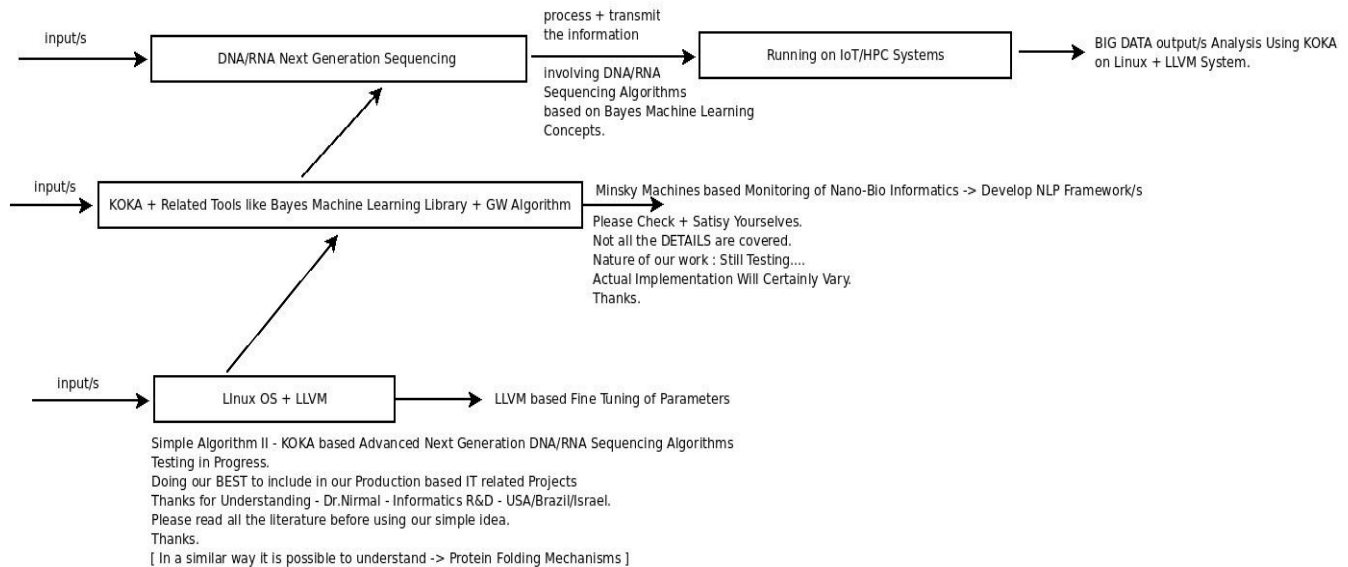
[I] Main Idea + Inspiration + Introduction :

Title is very clear. Just Follow the KOKA instructions.

[II] KOKA based R&D Informatics Framework :

KOKA BASED BIO-INFORMATICS FRAMEWORK -> NEXT GENERATION DNA/RNA SEQUENCING FOR COVID -19 RESEARCH EFFORTS.
ONE OF THE PIONEERING R&D EFFORTS IN THIS HIGHLY CHALLENGING DOMAIN OF SCIENCE & TECHNOLOGY
LET US PROBE MORE.

input/s → DNA/RNA Next Generation Sequencing

process + transmit the information
involving DNA/RNA Sequencing Algorithms based on Bayes Machine Learning Concepts.

Running on IoT/HPC Systems → BIG DATA output/s Analysis Using KOKA on Linux + LLVM System.

input/s → KOKA + Related Tools like Bayes Machine Learning Library

Minsky Machines based Monitoring of Nano-Bio Informatics -> Develop NLP Framework/s
Please Check + Satisy Yourselves.
Not all the DETAILS are covered.
Nature of our work : Still Testing....
Actual Implementation Will Certainly Vary.
Thanks.

input/s → Linux OS + LLVM → LLVM based Fine Tuning of Parameters

Simple Algorithm I - KOKA based Advanced Next Generation DNA/RNA Sequencing Algorithms Testing in Progress.
Doing our BEST to include in our Production based IT related Projects
Thanks for Understanding - Dr.Nirmal - Informatics R&D - USA/Brazil/Israel.
Please read all the literature before using our simple idea.
Thanks.
[In a similar way it is possible to understand -> Protein Folding Mechanisms]

[Figure I → A Simple Bio-informatics Algorithm Using KOKA]

KOKA BASED BIO-INFORMATICS FRAMEWORK -> NEXT GENERATION DNA/RNA SEQUENCING FOR COVID -19 RESEARCH
EFFORTS.
ONE OF THE PIONEERING R&D EFFORTS IN THIS HIGHLY CHALLENGING DOMAIN OF SCIENCE & TECHNOLOGY
LET US PROBE MORE.

input/s → DNA/RNA Next Generation Sequencing

process + transmit
the information

involving DNA/RNA
Sequencing Algorithms
based on Bayes Machine Learning
Concepts.

Running on IoT/HPC Systems → BIG DATA output/s Analysis Using KOKA
on Linux + LLVM System.

input/s → KOKA + Related Tools like Bayes Machine Learning Library + GW Algorithm

Minsky Machines based Monitoring of Nano-Bio Informatics -> Develop NLP Framework/s

Please Check + Satisy Yourselves.
Not all the DETAILS are covered.
Nature of our work : Still Testing....
Actual Implementation Will Certainly Vary.
Thanks.

input/s → Linux OS + LLVM → LLVM based Fine Tuning of Parameters

Simple Algorithm II - KOKA based Advanced Next Generation DNA/RNA Sequencing Algorithms
Testing in Progress.
Doing our BEST to include in our Production based IT related Projects
Thanks for Understanding - Dr.Nirmal - Informatics R&D - USA/Brazil/Israel.
Please read all the literature before using our simple idea.
Thanks.
[In a similar way it is possible to understand -> Protein Folding Mechanisms]

[Figure II → A Simple Bio-informatics Algorithm Using KOKA]

[III] Useful + Important References :

[a] https://github.com/koka-lang/koka From Microsoft → Keep going.

[b] https://github.com/tejdnk-2019-ShortNotes

[c] A Functional Implementation of the Garsia–Wachs Algorithm (functional pearl) Jean-Christophe Filliâtre; CNRS; LRI, Univ Paris-Sud, Orsay F-91405;INRIA Saclay - Île-de-France, ProVal, Orsay F-91893 – France.

[IV] Acknowledgment/s :

Sincere Thanks to all WHO made this happen in my LIFE.
IT is GOOD to Inspire Others Always.
Non-Profit R&D.

[THE END]