Software Engineering via Testing Cute: a concolic unit testing engine for c + jcute w.r.t Software R&D Algorithms running on ::-> Smart Devices [SD] + IoT + HPC Heterogeneous Systems -> A Simple + Short Technical Note.

Dr.Nirmal – Informatics R&D – Current Member – antE Inst UTD Dallas TX USA.
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[I] Main Idea + Inspiration + Introduction :

https://cs.illinois.edu/research/areas/programming-languages-formal-methods-and-software-engineering

[II] R&D Informatics Framework :

Based on our Works on github : https://github.com/tejdnk-2019-ShortNotes ->

[a] https://github.com/tejdnk-2019-ShortNotes/tejdnk-Space-Medicine-Informatics-github.io/blob/master/AVNET-U96-Ruby-Nir-21.pdf

All you have to do is just FINE TUNE the Algorithms presented by us.

We are using **Dr.Racket + JRuby + jcute** and running our Novel Algorithms on : Smart Devices + IoT + HPC Systems.Results are GOOD. More testing is needed.

[III] Acknowledgment/s :

Sincere Thanks to all WHO made this happen in my LIFE.Non-Profit R&D.Inspire others ALWAYS.

[IV] Conclusion/s + Future Perspectives :

One of the pioneering R&D efforts.

[V] References :

[a] https://cs.illinois.edu/research/areas/programming-languages-formal-methods-and-software-engineering

[b] http://osl.cs.illinois.edu/software/jcute/

[c] https://en.wikipedia.org/wiki/Concolic_testing

[d] http://osl.cs.illinois.edu/publications/conf/sigsoft/SenMA05.html

[e] https://llvm.org/

[f] https://publish.illinois.edu/hpvm-project/

[g] https://racket-lang.org/

[h] http://gentle.compilertools.net/

[THE END]