Testing of SAM L21 - Based Embedded Systems Using : AIfES/Machine Learning + ETP/E Theorem Prover + Grobner Bases + QRNG + LLVM + LLVM-Specializer + Python + Micro-Python + PyAppImage/Linux + Algopy + RASP PI + Zerynth IoT Systems + HPC Heterogeneous Systems + MongoDB-Python -> A Simple Technical Note w.r.t C & Python Programming Languages.

[Exploring Advanced Testing of Algorithms w.r.t AI + Embedded Systems -> Space + Medicine + Telecoms + HPC R&D]

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Current Member - ante Inst UTD Dallas TX USA.
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[I] Main Idea + Inspiration + Introduction :

Practical Applications for AI and ML in Embedded Systems & IoT Informatics Using C + Python + PyAppImage

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[II] Some input/s to derive or generate R&D Informatics TESTBED Using C & Python based Software Tools :

Please refer to : ref[a] for examples and other related information.

Derive your own R&D Informatics Framework based on our references.

https://github.com/tejdnk-2019-ShortNotes/2021-Nir-Informatics/blob/main/AIfES-Nirmal-21-AIES.pdf

https://pythonhosted.org/algopy/ && https://www.iot-lab.info/ && https://www.zerynth.com/

http://ww1.microchip.com/downloads/en/DeviceDoc/SAM_L21_Family_DataSheet_DS60001477C.pdf

https://pythonrepo.com/tag/appimage_star_1 && https://appimage.org/ && https://mattpap.github.io/masters-thesis/html/src/groebner.html

[**We are testing on our in-house Hardware -> Smart Watch Prototype in the context of Circadian Rhythms -> Testing in progress.]**

With Thanks - Dr.Nirmal.

[III] Important & Useful References :

[a] https://www.vixra.org/author/n_t_kumar* -> **important examples for you.**

[b] https://www.semanticscholar.org/author/N.-Kumar/12354503

[c] https://github.com/tejdnk-2019-ShortNotes -> **You can easily find a number of examples**.

[IV] Acknowledgment/s :

Sincere Thanks to all WHO made this happen in my LIFE.Non-Profit R&D.Inspire others always for it is good.

[V] Conclusion/s + Future Perspectives :

One of the pioneering R&D Efforts & Rigorous Testing in progress @ the TIME of Submission.Thanks for reading our Short Technical Notes.

[THE END]