[Exploring RUST + Python + C++ For Testing : E Theorem Proving + ML-Machine Learning + Fuzzer Concepts w.r.t Linux Kernel Drivers & IoT]

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[I] Main Idea + Inspiration + Introduction :

Our TITLE is enough for your to guess.

[II] R&D Informatics Framework for TESTING Linux Kernel Drivers :

Exploring difuze: Fuzzer for Linux Kernel Drivers [difuze : Interface Recovery + Fuzzing Engine] Using E Theorem Prover/dlib C++/Python/RUST- Linux Kernel Drivers w.r.t Testing of Algorithms involving QRNG + IoT Informatics + Machine Learning + LLVM + SSVMs -> A Simple & Short Technical Communication.

[III] Acknowledgment/s:

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

[IV] Important References :

[a] https://wwwlehre.dhbw-stuttgart.de/~sschulz/E/E.html && https://github.com/eprover/eprover

[b] https://doc.rust-lang.org/book/ffi.html && [c] http://dlib.net/svm_struct_ex.cpp.html

[d] https://github.com/ucsb-seclab/difuze -> DIFUZE: Interface Aware Fuzzing for Kernel Drivers.

[e] https://acmccs.github.io/papers/p2123-corinaA.pdf && [f] https://github.com/not-matthias/kernel-driver-with-rust

[g] https://github.com/tejdnk-2019-ShortNotes -> Lots of Examples for You.Thanks.

[h] https://github.com/ozaner/qRNG -> QRNG Information.

[V] Conclusion/s With Future Perspectives :

RUST with C++ & Python integration is of course a Great Combination for Next Generation AI + IoT Informatics Frameworks.One of the pioneering R&D Efforts to the best of our knowledge.Rigorous Testing in Progress @ the TIME of Submission.

[THE END]