V2R – Virtual-2-Real

The V2R Hack Challenge lets teams fast-track safety innovation by taking ideas **from virtual model to real metal**. Using a prebuilt ANSYS simulation sandbox, participants will prototype and stress-test smart-airbag features such as **hit-and-run detection and baby-seat safety** entirely in software – then port their code and sensors into a vintage car refitted as an SDV test bed. We supply the full virtual demo, CAN hooks, airbags, and instrumentation – you bring the algorithms and UX. Your concept must prove itself twice – first in the virtual vehicle, then live in the rolling lab – showing OEM judges how Virtual-to-Real engineering slashes time-to-safety for next-gen occupant protection.

prototype.club