

Artificial Intelligence Cars Technology Top News

NTU and Aumovio Launch AI Lab to Enhance Safer Driving in Singapore

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SINGAPORE – Nanyang Technological University ([NTU](#)) and automotive firm Aumovio have partnered to develop artificial intelligence models that carmakers can adopt at lower cost, with the goal of making driving in Singapore safer. Using cameras to capture road conditions, the AI models can alert drivers to hazards such as blind spots or lane departures.

The collaboration, officially launched on April 6, is part of a three-year initiative involving more than 130 researchers, engineers, and students. Known as the Aumovio-NTU Corporate Lab, it builds on an earlier partnership established in 2019 as the Continental-NTU Corporate Lab. The joint effort is supported by the National Research Foundation under the Research, Innovation and Enterprise 2025 plan.

Aumovio

Aumovio's senior AI engineer Darius Tan explained that most vehicles currently require expensive AI chips or internet connections to run autonomous systems. These chips can cost thousands, raising adoption costs for carmakers. To address this, the lab is working on compressing AI models so they can run offline or on existing vehicle electronics not originally designed for AI.

The lab also aims to commercialise tools from research in AI, materials science, cybersecurity, and vehicular communications, strengthening Singapore's position in smart mobility innovation. – Photo: [Singapore Economic Development Board – EDB](#)