

AMAN ZAVERI

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Dear Hiring Manager,

I am writing to express my enthusiastic interest in the Engineering Intern - Mechatronics position at Electrans Technologies Ltd, as advertised on [Platform where job was found - assuming LinkedIn for example]. The opportunity to contribute to a company focused on innovative fuel-saving solutions for commercial vehicles, leveraging both electric powertrain and AI, deeply resonates with my academic pursuits and professional experience.

My background in developing and implementing code for dynamic systems aligns directly with the responsibilities outlined in the job description. Specifically, my experience engineering a tire-pressure system in C++ via HAL + AIDL, achieving sub-second alerts and 99% reliability, demonstrates my ability to work with embedded systems and ensure robust performance — skills crucial for supporting software builds for commercial vehicles. Further, my proficiency in C++, coupled with hands-on experience diagnosing Linux drivers and building MQTT tools to lower latency variance, speaks to my capacity to quickly contribute to your team's efforts in optimizing vehicle control systems.

Beyond coding, my experience leading the automation of PR validation pipelines using n8n and GitHub Actions, resulting in a 20-minute reduction per deployment, illustrates my commitment to efficiency and automation — a valuable asset when supporting the proof-of-concept build and interacting with manufacturing partners. I am confident that my blend of software engineering skills, coupled with my understanding of hybrid electric drive systems and autonomous technology, would allow me to make a significant contribution to Electrans Technologies Ltd.

I am eager to learn more about this exciting opportunity and discuss how my skills and enthusiasm can benefit your team. Thank you for your time and consideration.

Aman Zaveri