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**Subject: Application for open position – Intelligent Transport / EV / DevOps Systems**

Dear Manager,

I am writing to express my strong interest in the **open** position at **Transurban** as advertised. With over **14 years of hands-on experience** across **Intelligent Transportation Systems (ITS)**, **EV Charging Infrastructure**, and **smart traffic management**, combined with my growing expertise in **Python, DevOps, and AI-based tools**, I believe I bring a unique, future-ready blend of engineering excellence and innovation to your team.

In my current role at **Kapsch TrafficCom Australia**, I provide technical leadership and field support for MLFF tolling systems, integrating V2X, LIDAR, and DSRC technologies while optimizing real-time traffic data through dashboards. Additionally, my tenure at **Tritium** exposed me to the fast-paced world of DC fast chargers (50kW–175kW), where I resolved complex hardware/software faults, implemented remote diagnostics, and contributed to global EV infrastructure rollouts.

What sets me apart is my commitment to **continual innovation and hands-on learning**. I've developed and shared end-to-end projects on GitHub involving traffic passage analytics, emergency response systems, AI-driven accident monitoring, and CI/CD pipelines using Docker and Kubernetes.

Some highlights include:

* 🚦 Visual dashboards for ITS traffic and passage logs ([GitHub](https://github.com/SINGHL25/traffic-data-visualization-project-Seaborn))
* 🚗 AI-based emergency detection system for roadside safety
* 🛠️ DevOps CI/CD workflows with Docker, Kubernetes, GitHub Actions

I hold a **B.Tech in Electrical Engineering**, an **Executive MBA in Finance**, and a valid **TSS 482 visa (until Feb 2026)**. I am keen to contribute to high-impact projects that enhance smart mobility,

I would welcome the opportunity to discuss how I can support **Transurban** in your mission to innovate and deliver world-class solutions. Thank you for considering my application.

Warm regards,  
**Akhilesh Kumar Singh**  
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