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Success Story

AI Powered Intrusion Detection Platform

About the Client

A Knowledge Process Outsourcing (KPO) company headquartered in India, catering to international clients primarily in the Banking, Financial Services, and Insurance (BFSI) as well as Taxation domains. The company specializes in back-office operations such as Insurance Claim document verification and Tax Refund Claims processing.

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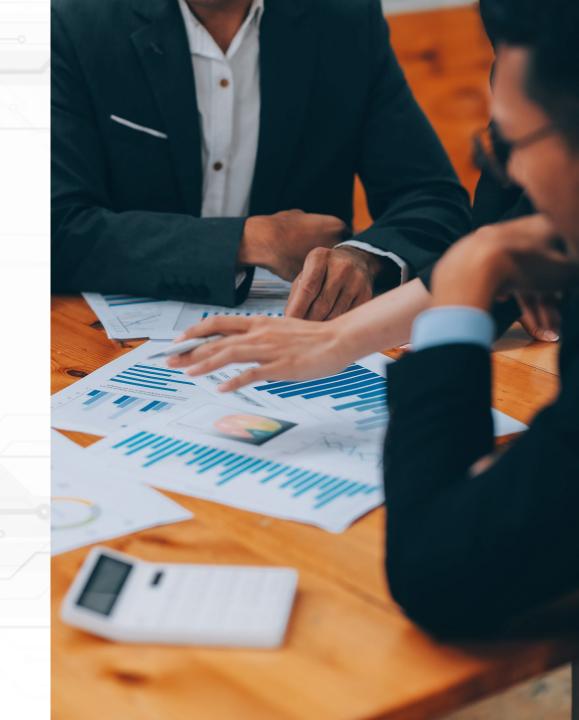ACCELERATE YOUR BUSINESS

Business Problem

Working closely with prominent international BFSI firms, the client identified the need for enhanced security within their secured zones. While their existing security mechanisms, including Access Cards, Face Recognition, and Biometrics, were robust, the client aimed to further mitigate risks associated with unauthorized access and tailgating. They sought a cutting-edge security solution that could instantly detect and alert security personnel about unauthorized intrusions, ensuring swift action.

Solution

We developed an AI-powered Intrusion Detection platform using Computer Vision and Face Recognition for live CCTV feeds.

➢ **Camera Optimization:** Advised strategic changes to camera positions, lighting, and resolution for better detection.

➢ **Custom Face Recognition:** Trained a model to identify authorized personnel, triggering alerts for unknown individuals with image and video evidence.

➢ **Alert Management:** Alerts and evidence were displayed on a security platform with a manual override to prevent false positives.

➢ **Ongoing Updates:** Regular model training ensured accuracy as personnel changed.

➢ **High Accuracy:** Optimized AI and deep learning techniques achieved over 98% accuracy.

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Outcome

The adoption of the AI-Powered Intrusion Detection platform yielded remarkable outcomes for the client:

➢ **Enhanced Planning:** The client achieved intrusion-free secured zones, bolstering their overall security infrastructure and minimizing the risk ofunauthorized access.

➢ **Drastic Reduction in Intrusion Incidents:** Incidents of unauthorized access were reduced by nearly 99%, showcasing the effectiveness of the AI-powered solution in curbing security breaches.

➢ **Regulatory Compliance and Avoidance of Penalties:** By meeting stringent security compliance standards, the client not only safeguarded their operational integrity but also avoided potential penalties from their own clients.

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Conclusion

The implementation of the AI-Powered Intrusion Detection platform significantly elevated the security posture of the KPO company's secured zones. With its ability to accurately identify unauthorized access attempts in real-time and provide actionable evidence, the platform empowered security teams to respond promptly to potential threats. Through this innovative solution, the client established a robust security framework that aligned with industry best practices, while also showcasing their commitment to maintaining a secure environment for their clients and employees.

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