



Artificial Intelligence

Intelligent Enterprise Software Solutions

Building Smarter Business Solutions

Intelligent Innovation Hub - Custom AI Solutions for Modern Business

ENTERPRISE SOFTWARE DEVELOPMENT | AUTOMATED INTELLIGENT SOFTWARE PLATFORMS
ENTERPRISE AI ORCHESTRATION | COGNITIVE BUSINESS SOLUTIONS | DECISION INTELLIGENCE
ASSET, PERSON, OBJECT TRACKING | VIDEO & DATA ANALYTICS

INNOVATING WITH AI

Ispeck Digital Solutions Pvt. Ltd. is an **ISO 27001:2022**-certified company specializing in **Custom Enterprise Software Development, Data Analytics** leveraging Deep Learning, **Computer Vision** and **Intelligent Language Models** like LLM/SLM etc. We provide cutting-edge enterprise software solutions, AI-driven automation platforms, data & information analytics, and scalable video analytics solutions that leverage the power of edge computing, computer vision, and deep learning technologies.

CUSTOM SOFTWARE DEVELOPMENT FOR BUSINESS EXCELLENCE

Off-the-shelf software solutions often fail to address the unique challenges and workflows of businesses. Ispeck specializes in designing and developing **custom-built digital solutions** that align seamlessly with your business needs, operational goals, and industry requirements. Our expertise in AI, automation, and digital transformation helps companies optimize workflows, improve efficiency, and foster sustainable growth.

AI-POWERED DATA ANALYTICS & INTELLIGENT INSIGHTS

We go beyond conventional data analytics by delivering **tailored AI-driven insights** that transform raw data into strategic, data-backed business decisions. Our approach integrates real-time **data processing, predictive modelling, and AI-driven automation**, empowering organizations to not only understand past trends but also anticipate future outcomes and take proactive action.

ADVANCED VIDEO ANALYTICS WITH AI & EDGE COMPUTING

Our AI-enabled, **scalable video analytics platform**, (in collaboration with Echol Tech Pte. Ltd. a leading Singapore-based technology infrastructure company serving prestigious clients, including Government agencies of Singapore and major global enterprises) delivers actionable insights through intelligent facial, image, object, and behavioural recognition.

By utilizing **edge computing** solutions, our platform dramatically reduces processing time, bandwidth consumption, and storage requirements, making **AI-powered video analytics** more efficient and cost-effective.

WHY CHOOSE ISPECK?

- ✓ **Bespoke, Not Generic:** Every software is custom-built for your specific business needs.
- ✓ **AI & Automation First:** We integrate AI-driven efficiencies beyond traditional coding.
- ✓ **Real-Time & Predictive Analytics:** Not just static reports, we provide actionable insights.
- ✓ **Recommendation Engine:** Intelligent correlational prescriptive actionables.
- ✓ **Seamless Integration:** Tailored solutions that integrate smoothly into your ecosystem.
- ✓ **User-Centric Design:** No technical barriers—intuitive and easy-to-use interfaces.
- ✓ **Scalable & Cloud Centric:** Future Proof cloud-native solutions.
- ✓ **Tech-Agnostic:** We choose the best tech stack for your needs, not just what's trending.



OUR EXPERTISE

We provide tailored, custom-developed software solutions as well as data science services and solutions with custom models and systems by smart use of Artificial Intelligence and Deep Machine Learning to create robust data pipelines and deliver actionable insights.

Enterprise Software Development

Building robust, high-performance software solutions tailored to complex business needs, with seamless system integration and cloud computing capabilities.

Automation & AI-Driven Platforms

AI-powered solutions enabling automation of workflows, reducing manual intervention, and increasing operational efficiency with Machine Learning & RPA.

Enterprise AI Orchestration

Integrating and managing multiple AI solutions within enterprises, ensuring seamless AI-driven insights and automation across various business applications.

Cognitive Business Solutions

Advanced AI, NLP, and deep learning capabilities that enhance customer interactions, predictive analytics, and intelligent decision-making.

Decision Intelligence

Transforming raw data into meaningful insights for industries like Finance, Healthcare, Retail, and Logistics using AI-driven prescriptive analytics.

Asset, Person, & Object Tracking

Real-time AI-powered tracking solutions using GPS, IoT, and edge computing for vehicles, drones, marine assets, personnel, and equipment.

Video & Data Analytics

Harnessing AI to analyse video streams for security surveillance, facial recognition, anomaly detection, and behaviour analysis.



TECHNICAL EXPERTISE

Full Stack Development:

- ✔ Expertise in designing and developing web platforms and workflows using C/C++/Rust/Go, DOT NET, Java JDK/Kotlin, Python Frameworks (FastAPI/Flask/Django) and Rest/AngularJS.
- ✔ MEAN, MERN, LAMP full stack expertise.
- ✔ Proficient in building scalable, maintainable, and high-performance applications.

Programming Languages:

- ✔ Extensive experience with Java, Python, and C/C++/C#/Rust/Go for backend and application development.

Mobile App Development:

- ✔ Skilled in developing Android and iOS applications for B2B, B2C, and B2B2C domains.
- ✔ Experience with native (Swift, Android APK) and cross-platform frameworks (React Native, Kotlin).

API Development & Integration:

- ✔ Expertise in designing, developing, and consuming RESTful and GraphQL APIs.
- ✔ Hands-on experience with OAuth, JWT, and third-party API integrations.

Quality Assurance & Testing:

- ✔ Strong understanding of manual and automated testing methodologies.
- ✔ Proficient in Selenium, Appium, JUnit, TestNG, and Postman for functional, regression, and performance testing.

Machine Learning & Data Processing:

- ✔ Experience in ML-based data processing and preprocessing, including data cleaning, feature engineering, and model optimization.
- ✔ Hands-on with TensorFlow, Scikit-learn, Pandas, and NumPy for AI/ML solutions.

Performance Testing & Optimization:

- ✔ Skilled in profiling, load testing, and optimizing applications for scalability and efficiency.
- ✔ Tools: JMeter, Locust, and New Relic for performance analysis.

UI/UX Development:

- ✔ Capable of developing responsive and user-friendly UI components using HTML, CSS, JavaScript, TypeScript, AngularJS, React, and Vue.js.
- ✔ Experience with Material UI, Bootstrap, Tailwind CSS, and UX best practices.

Language (Transformer) Models

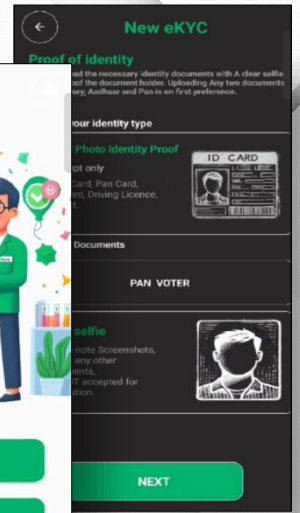
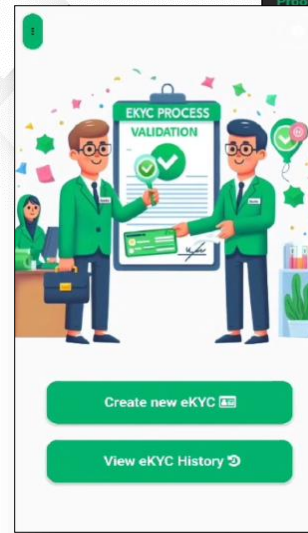
- ✔ LLM/SLM Models
- ✔ Intelligent Custom-tailored AI Agents



INDUSTRY APPLICATIONS

Ai-Powered Financial & Business Solutions

- ✓ Automated Compliance Checks ensuring 99.9% regulatory adherence
- ✓ Predictive Risk Assessment for financial portfolios
- ✓ API-First Architecture for seamless integrations



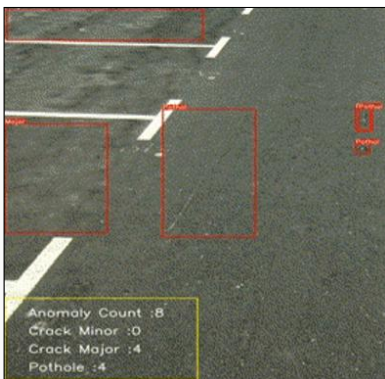
Workplace Safety & Surveillance

- ✓ PPE Kit & Harness Detection to ensure compliance in high-risk environments
- ✓ Intrusion & Incident Detection with automated alerts for enhanced safety
- ✓ AI-Driven Access Control using facial recognition for seamless security



Large Infrastructure Solutions

- ✓ Traffic & Road Incident Monitoring with AI-powered video analytics
- ✓ Attendance & Access Control by Facial Recognition for 17000+ employees of large Govt agency
- ✓ RTLS (Real Time Location System) to track assets, vehicles and personnel
- ✓ Vessel Traffic Management System & Marine Asset Monitoring



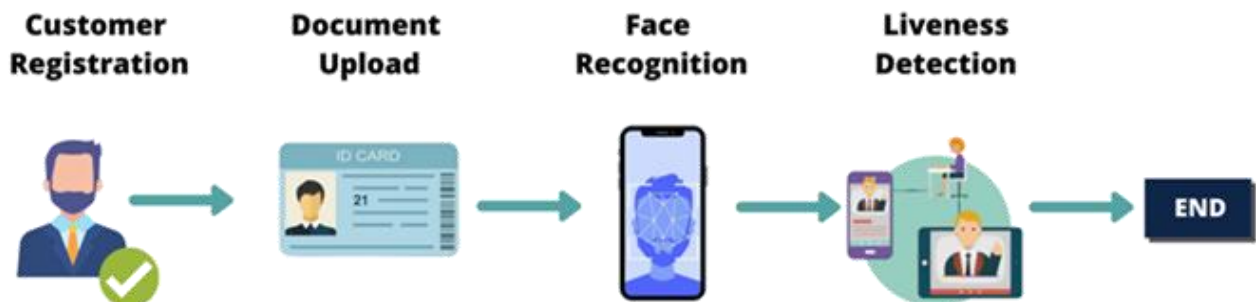
ENTERPRISE SOFTWARE AND MOBILE APP DEVELOPMENT

Our expertise lies in building custom enterprise solutions and mobile applications that are scalable, secure, and high-performance solutions, tailored to your business needs. Our approach goes beyond just software development. With a data-driven mindset and agile methodologies, we help businesses automate workflows, enhance collaboration, and make informed decisions. Whether you're looking to modernize legacy systems, adopt AI & automation, or build a digital-first strategy, we are your trusted technology partner.

Complex Web based B2B Transaction & Payment processing application developed for monitoring precious cargo, vehicle, people in near realtime. The said platform is a key interface for revenue generation for a large Singapore Govt. agency.

AI ENABLED WEB INTERFACE AND MOBILE APP

By integrating machine learning, natural language processing (NLP), and predictive analytics, we create web and mobile platforms that adapt to user behaviour, automate routine tasks, and provide intelligent insights. Our AI-driven platform uses multi source data fusion and authentication to verify identities and facilitate customer onboarding in a matter of minutes while ensuring compliance, with real-time risk assessment and fraud detection.



AI-enabled e-KYC mobile application designed and developed for an NBFC-Microfinance company in India, enabling the verification and validation of UIDAI, PAN, DL, and Voter ID data.



AI ENABLED WORKPLACE SAFETY

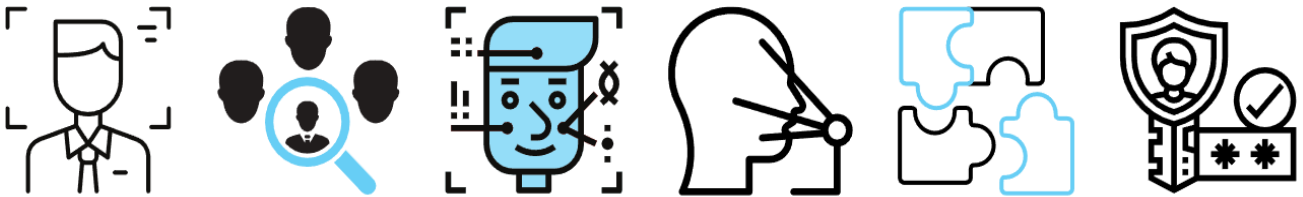
All industries, factories and commercial workplace are characterized by hidden complexities, numerous opportunities for safety mishaps, and limited visibility into on-the-ground operations. This makes it ripe for optimization through video analytics. By leveraging AI and machine learning, we transform video feeds into powerful, automated intelligence-gathering assets.



The AI enabled VA Solution is currently in use at large infra projects, Airbases, Defence locations and other critical projects by multiple Govt. of Singapore and Private operators across Singapore.

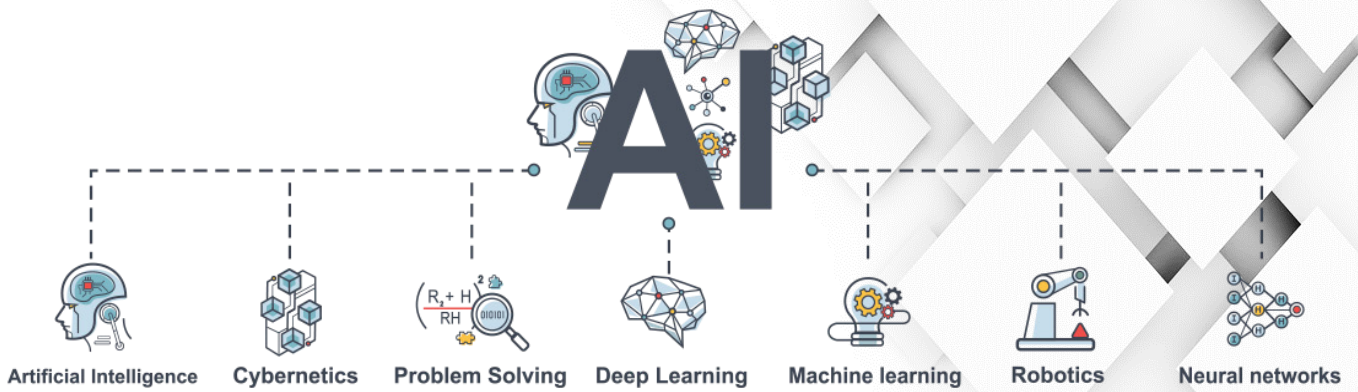
AI ENABLED FACE RECOGNITION SOLUTION

AI-enabled facial recognition solutions have become integral part across various sectors, offering capabilities such as identity verification, security enhancement, and personalized user experiences to analyse and recognize human faces in images or videos, facilitating applications like access control, attendance tracking, and criminal identification. Implementing an AI-enabled facial recognition system can enhance security, streamline workforce management, and improve operational efficiency.



More than 17,000 employees of Singapore's Land Transport Authority have been enrolled to provide the AI enabled Face Recognition solution for attendance and access control throughout their sites.





Biometric Authentication System | Time Attendance & Headcount System

Visitor Management System | Queue Management System

Staff & Vehicular Access Control System

CCTV Security Surveillance System

CCTV Video Analytics | Human Counting

Facial Recognition System

Barricade Detection | PPE Kit Detection | Helmet Detection

Health & Activity Monitoring | Location Tracking

Traffic and Road Incident Monitoring

Command and Control System | Centralized Management System

Workspace Management

Fault Detection & Diagnosis | Sustainability Management

Construction Project Supply Chain Monitoring System

Machinery & Vehicle Tracking System | Vessel Traffic Management System

Automatic Identification System | Marine Reclamation Barge

Electronic Chart Display and Information System

Global Marine Asset Tracking and Monitoring



ISPECK DIGITAL SOLUTIONS PVT LTD

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