MYINTELLX LLP

OVERVIEW

Services Offered

MyIntellX delivers pioneering AI, cloud, data science, and process optimization solutions, led by renowned domain expertise. Below is the snap shop of your portfolio of services offered.

1. AI and Cloud Integration

Delivering comprehensive solutions that seamlessly integrate artificial intelligence capabilities with secure cloud infrastructure. Our services cover everything from cloud migration of AI workloads to scalable model deployment, helping businesses leverage the full potential of AI and cloud technology for improved efficiency and innovation.

2. Deployment of Modern AI Stack on Cloud

Building and maintaining state-of-the-art AI environments on leading cloud platforms (AWS, Azure, Google Cloud). We specialize in deploying machine learning, deep learning, and generative AI models, and optimizing performance using modern tools and frameworks. From proof-of-concept to production-scale deployments, we ensure reliability and scalability.

3. Data Science & Advanced Analytics

Providing end-to-end data science services including data collection, cleaning, modeling, and visualization. Our team helps organizations make data-driven decisions by uncovering insights through predictive analytics, business intelligence dashboards, and custom statistical models tailored to your strategic goals.

4. Data Project Management & Software Engineering with Agile Methodologies

Managing AI and data-centric projects from concept to delivery using agile techniques for optimal efficiency and transparency. Our expertise covers project planning, software architecture, coding, quality assurance, and iterative releases—ensuring high-value solutions are delivered on time and aligned to your business needs.

5. Hands-On IT & Software Development Training

Offering immersive, practical training programs covering core information technology topics and software development skills. Courses are designed for both beginners and professionals and include real-world projects in programming, cloud computing, AI/ML, DevOps, and software testing—preparing teams to adopt and implement new technologies effectively.

6. Cybersecurity Solutions

Implementing advanced cybersecurity strategies to defend organizational assets from threats. Services include risk assessments, security audits, compliance consulting, secure software development, and incident response—empowering businesses to maintain data integrity and regulatory compliance.

7. Process Optimization & Excellence

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Delivering expertise in process improvement methodologies such as Lean, Six Sigma, and automation. We analyze current workflows, identify inefficiencies, and design streamlined processes that enhance productivity, reduce costs, and drive sustainable business growth.

Successful Projects and Case Studies

Highlight impactful projects led by Dr. Pradeep

Noteworthy projects led by Dr. Pradeep have left a significant mark across diverse sectors, including SCM, Telecom, Consulting, FMCG and Oil and Gas. His accomplishments span multiple countries like Australia, Brazil, China, India, Malaysia, Philippines, Singapore, and the USA, where his core innovation in deliverables has let to multi-million-dollar savings more than $ 20 Million dollars .

Real-world applications of AI and Data Science

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1. GENAI:
    a. Malaysia's first offline LLM and now creating SLM and Mini-LLM for edge devices.

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b. Architect and develop Products on Virtual Agents as a Platform (VAaaP) with Agentic LLM focus-Langchain, Autogen, VectorDb, NVIDIA Nemotron.
c. RnD and development of other AI based products like AI trading platform, AI driven education assist, Reintegration (re-SaaS) using Agents and MCP.
d. Integrating VAaap with AI stacks from computer vision and NLP apps for products like ADAS, Trading BOT.

2. CHIP AI: Development on SoC with ACS Taiwan & National University of Taiwan for AI PC and cutting-edge Research: The rapid advancement of deep learning has led to the proliferation of computationally intensive algorithms, such as transformers, which traditionally rely on high-performance GPUs. However, computing solutions motivates a shift toward alternative hardware platforms, including NPUs, FPGAs, ASICs, and vDSP chips on Chip (SoC). This initiative let to the creation of an AI Model Zoo tailored for these hardware architectures.

3. Transportation:
   a. GAN/Vision Transformer based CV project for a large Airplane manufacturer in France deployed on AWS.
   b. Researched and deployed first ever in Malaysia, advance driver assistance system (ADAS) using NVIDIA/AWS IOT, predicting behavior of drivers.

4. Manufacturing and Supply Chain
   a. Digital platform: ingesting manufacturing sensors using Pi system, Flat files and SAP manufacturing data to for various use cases.
   b. Digital Forestry Platform: UAV Multispectral image analytics for tree counting /area health and for tree top crown detection

    c. WW SCM improvements with nearly 15 transformation projects leading to largest savings of $11.6 million for HP China 2010-12.

    d. Oil and Gas: Optimized Network for LNG Annual Delivery using Clustering approach.

5. Banking and Finance

    a. E2E project from data ingestion from SAP ECC/BW/BI/Salesforce, data engineering, ML and deployment in Cloud with PowerBI.

    b. Led the full cycle of the annual Voice of Customer (VoC) Survey Analytics Program for the Finance Backoffice 2015.

6. TECLO CONSULTING

    a. As an employee, led consulting engagements in APAC with major telcos on frameworks like ITIL, eTOM for clients like Smart, TrueMove, NSN. Improvise telco applications like OSS, BSS, CRM, Fault Management, topologies

    b. AI based Network Fault Prediction through the correlation of various alarms for Network Elements (NE) 2016-2018.

7. **Dr Pradeep has trained** appx. 600 employees F2F on Artificial Intelligence, Analytics Tools and Six Sigma training for HP's Shanghai, CQ, Shenzhen, Taipei and Houston employees 2006-2012.