

AI Enabled Data Services

Harness Data. Automate Processes. Drive Innovation
AI-powered, precision-driven data solutions crafted to streamline workflows, enhance data accuracy, and fuel smarter decisions across the AI and automation lifecycle.



www.theaishakti.com

The AI Shakti is a next-gen provider of AI-powered data solutions, transforming raw information into actionable intelligence through automation, precision, and innovation across industries.

With proven experience across industries, we deliver high-impact data solutions—spanning collection, annotation, analysis, and automation—to drive actionable insights and operational excellence.



Overview

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With a growing team of skilled professionals based in Nathdwara, Rajasthan — a strategic location offering a rich talent pool, cost advantage, and high operational reliability — we deliver seamless support to businesses across the globe. Our presence in Nathdwara also allows us to offer affordable, yet high-quality solutions without compromising on performance.

From AI-enabled customer support to smart automation and process optimization, our solutions empower clients to scale faster, reduce costs, and stay competitive in a dynamic digital environment.

We act as an extension of our clients' teams, ensuring every interaction aligns with their brand, vision, and goals. Our leadership team brings years of combined experience in AI, technology, and outsourcing — enabling us to drive innovation and ensure long-term success for our partners.





Data Preparation Services

- Data Collection, Enrichment, Modeling and Analysis
- Bounding Boxes
- Semantic segmentation
- LIDAR Segmentation
- Keypoint Annotation
- OCR/ICR
- Video object tracking
- Transcription
- Cataloging



Data Annotation and Labelling Services

- Image Data Annotation/Labeling
- Text Data Annotation/Labeling
- Video Data Annotation/Labeling



Data Visualization



DevOps Services



AI/ML Services

- Algorithm Training
- Data Cleansing
- Data Annotation'
- Image and Video Tagging
- Sentiment Analysis
- Named Entity Recognition
- Search Result Audit
- Content Moderation
- Fraud Moderation
- Order Management



Robotic Process Automation

Autonomous Vehicle Company – San Francisco, USA

Challenge

A pioneering autonomous vehicle manufacturer required high-precision data labeling, bounding boxes, semantic segmentation, and LiDAR annotation to train its computer vision systems for accurate real-time decision-making.

Solution:

The AI Shakti deployed a dedicated team of AI/ML specialists to handle multi-format sensor data. We implemented detailed bounding box, semantic segmentation, and LiDAR point cloud annotation workflows at scale. Data was enriched, validated, and catalogued through our proprietary AI-assisted tools, ensuring accuracy and consistency.

Outcome:

- Labeled over 3 million frames within 6 months
- Reduced annotation errors by 32%
- Improved model training efficiency and accuracy, enabling safer vehicle performance and accelerated go-to-market readiness

E-commerce Giant – Bengaluru, India

Challenge:

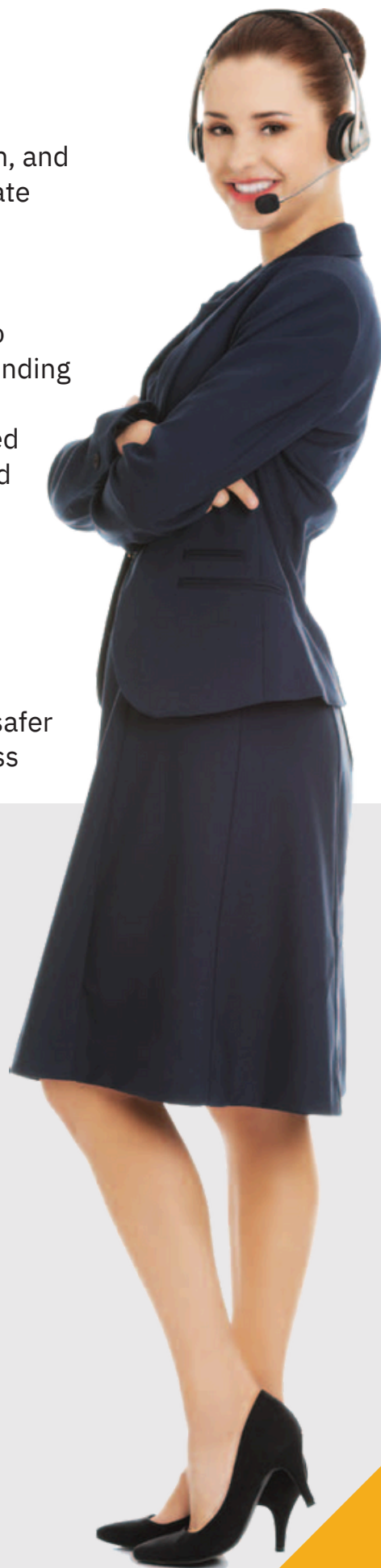
A major online marketplace required automated content moderation, product catalog transcription, and image/video tagging for over a million SKUs, including multilingual product listings and user-generated content.

Solution:

We built a custom content moderation engine using NLP and computer vision algorithms for real-time screening. Simultaneously, our human-in-the-loop AI workflows managed image annotation, cataloging, and transcription with high accuracy.

Outcome:

- Increased content accuracy and trust scores by 45%
- Enabled 24/7 moderation with a 98.5% compliance rate
- Processed and enriched over 1.2 million listings within 4 months



Healthcare Research Institute – Berlin, Germany

Challenge:

A medical research institute needed to analyze thousands of handwritten clinical records and extract structured data for AI diagnostics and predictive modeling.

Solution:

We used OCR/ICR, Named Entity Recognition, and AI-driven sentiment analysis to extract key clinical metrics and trends. Robotic Process Automation was applied to integrate this structured data into their analytics pipeline.

Outcome:

- Digitized and labeled 500,000+ medical documents
- Achieved 99.1% accuracy in data extraction
- Reduced manual processing time by 70%, accelerating research output

FinTech Startup – Singapore

Challenge:

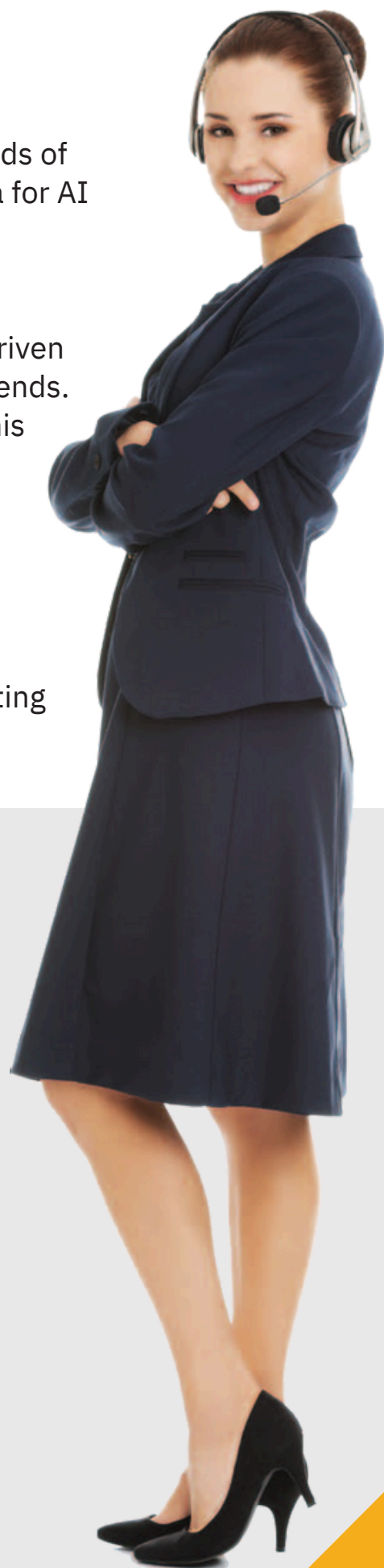
A growing FinTech startup required fraud detection tagging, search result auditing, and data visualization dashboards to improve its transaction monitoring system and investor analytics.

Solution:

Our team implemented real-time tagging of transaction data using AI models trained on fraudulent pattern detection. Additionally, we deployed interactive dashboards for investors and auditors, showcasing visualized insights from their data lakes.

Outcome:

- Identified anomalies with 94% accuracy
- Streamlined audit trails and investor reporting
- Enhanced compliance readiness, leading to successful regulatory approvals





AI-Driven Process Optimization



Cloud-Native Infrastructure for Maximum Agility



Custom-Tailored Solutions with Industry Precision



Data Security & Compliance at the Core With strict adherence



24/7 Global Support with Multilingual Capability



End-to-End Service Suite from Front Office to Back Office
Unlike traditional BPO providers, we offer a holistic service ecosystem

Our AI & Tech Capabilities

Data Preparation, Collection, Enrichment, and Analysis

- **Apache Kafka** – Real-time data streaming for large-scale data processing.
- **Talend** – Data integration and transformation tool for data cleaning and enrichment.
- **Alteryx** – Data blending and analytics automation platform.
- **Knime** – Data analytics, reporting, and integration platform for visual programming.
- **Pandas (Python)** – Data manipulation and analysis library for Python.
- **Apache Hadoop** – Open-source software framework for storing and processing large datasets.

Data Annotation and Labeling Services

- **Labelbox** – Data labeling platform for training machine learning models (Image, text, and video annotation).
- **SuperAnnotate** – Tool for image and video annotation with AI-powered labeling.
- **Amazon SageMaker Ground Truth** – Provides data labeling and annotation for machine learning applications.
- **CVAT (Computer Vision Annotation Tool)** – Open-source web-based tool for annotating images and videos for computer vision.
- **V7 Labs** – AI-powered platform for dataset creation and image/video annotation.

Our AI & Tech Capabilities

Semantic Segmentation & LIDAR Annotation

- **SegNet** – Deep learning architecture for semantic pixel-wise segmentation.
- **DeepLab** – Google’s framework for semantic segmentation using deep learning.
- **PointNet** – Neural network for processing point cloud data in LIDAR segmentation.
- **Open3D** – Open-source library for 3D data processing, useful for LIDAR segmentation.
- **Pytorch/TensorFlow** – Deep learning libraries for building models for image and semantic segmentation.

Optical Character Recognition (OCR) and Intelligent Character Recognition (ICR)

- **Tesseract** – Open-source OCR engine used for text extraction from images and PDFs.
- **Google Cloud Vision API** – Recognizes text in scanned documents or images.
- **ABBYY FlexiCapture** – AI-based document processing and OCR solution.
- **Amazon Textract** – Extracts text, forms, and tables from scanned documents.
- **Kofax** – Intelligent capture solution with OCR/ICR capabilities for extracting data from documents.

Our AI & Tech Capabilities

Video Object Tracking & Transcription

- **OpenCV** – Library for real-time computer vision, including video object tracking.
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- **DeepSORT** – Algorithm for tracking multiple objects in videos in real-time.
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- **Amazon Rekognition** – Detects, labels, and tracks objects in video content.
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- **Sonix.ai** – AI-powered transcription tool for automatic transcription of audio and video files.
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- **Rev.com** – AI-powered platform for transcription and captioning services.

Data Visualization

- **Tableau** – Data visualization tool for creating interactive dashboards and reports.
- **Power BI** – Microsoft's tool for data analysis and visualization with reporting capabilities.
- **QlikView/Qlik Sense** – Data visualization and business intelligence platforms.
- **Google Data Studio** – Free tool to create reports and dashboards with your data.
- **D3.js** – JavaScript library for creating custom, interactive visualizations on the web.

Our AI & Tech Capabilities

Robotic Process Automation (RPA)

- **UiPath** – Leading RPA platform for automating repetitive tasks.
- **Automation Anywhere** – Robotic process automation software for automating business processes.
- **Blue Prism** – RPA tool that helps automate routine tasks for businesses.
- **WorkFusion** – Provides intelligent automation by integrating RPA with machine learning.
- **Pega Systems** – Offers a low-code application platform for workflow automation and RPA.

Sentiment Analysis & Named Entity Recognition

- **VADER Sentiment Analysis** – Sentiment analysis tool in Python for text processing.
- **Google Cloud Natural Language API** – Provides sentiment analysis and entity recognition for text.
- **spaCy** – Open-source NLP library that provides pre-trained models for named entity recognition (NER) and other tasks.
- **Hugging Face** – Platform offering NLP models for sentiment analysis, NER, and text classification.
- **TextBlob** – Python library for processing textual data and performing sentiment analysis.

Our AI & Tech Capabilities

AI/ML Services

- **TensorFlow** – Open-source deep learning framework by Google for AI and machine learning model building.
- **PyTorch** – Deep learning framework that provides flexibility and speed in model development.
- **Keras** – High-level neural networks API for building and training deep learning models.
- **H2O.ai** – AI and machine learning platform for building predictive models.
- **RapidMiner** – Data science platform that supports data preparation, machine learning, and analytics.
- **Scikit-learn** – A Python library for machine learning and statistical modeling.
- **IBM Watson** – AI services including Natural Language Processing (NLP), sentiment analysis, and more.
- **Google AI Platform** – Cloud-based AI and machine learning services for building models and deploying them.
- **Amazon SageMaker** – Managed service for building, training, and deploying machine learning models.



Our Global FootPrints



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Our Clientele

