Shaping the Future with AI

PAPYRUS SOFTWARE

Every now and again, a revolutionary technology evolves that redefines everything we know. This is what we're currently witnessing with AI. In an astonishingly short time, Artificial Intelligence (AI) has transformed from a distant science fiction fantasy into a tangible reality with a tremendous potential yet to be revealed.

At Papyrus Software, we're weaving AI into the very fabric of our key products and services, intertwining various forms of AI to redefine what's possible. If you are looking for a way to ride the wave of AI, start by harnessing Natural Language Processing (NLP), Machine Learning (ML), Generative AI or Deep Learning - these core technologies will help you tackle your toughest challenges and ignite exceptional growth.

AI and NLP Transform BPM & Programming

Natural Language Processing (NLP) for Business Ontology is currently rewriting the rules of how companies build their digital processes and applications, shifting focus to goal-driven value streams that are not confined by the limitations of conventional BPM. Organizations can now build flexible 'living' applications that excel in complex scenarios with high degrees of variability, skillfully navigating through diverse execution paths with each run.

CONVERSE harnesses the power of the executable business knowledge (Ontology) and allows business users (managers, consultants, analysts) to freely set rules, activities and goals in plain business language with no coding involved. Anyone can use this groundbreaking technology to communicate and create. There is no IT jargon and no confusion - just clear, meaningful business language.

AI works through ontology and natural language processing, automatically recognizing and building the company's business knowledge from terms and concepts anchored in business rules. The conversational UI comprehends semantic meaning and offers an exceptional experience for business experts and end users alike - all interactions are carried out in natural language, with AI providing suggestions, alerts, and explanations, while the system ensures that execution is progressing in compliance with organizational goals and rules.

Machine Learning for Process Discovery

The Papyrus patented User-Trained Agent (UTA) machine learning technology performs pattern recognition on data objects and their relationships across different business cases, analyzing actions and which elements have proven relevant for the successful outcome of a certain business case.

Can you imagine machine learning technology that diligently sifts through data using intelligent algorithms to spot patterns? That's the **Papyrus User-Trained Agent (UTA)**.

Much like a human brain, the UTA's knowledge grows with its experience, becoming more and more intelligent and skillful as time goes on. The most effective working practices are provided to users, supporting the process of decision-making and handling customer requests. It's almost like having a trusted advisor right there with you.

AI-driven Intelligent Document Processing for automation | OCR Data Capture

When used in the context of Intelligent Document processing (IDP), machine learning helps the capture engine quickly comprehend the context and accurately extract the information for automated meta-data extraction of both structured and unstructured content.

Used in the award-winning **Business Designer** tools, AI helps replacing complex setups and IT-heavy trainings so business users can train the system by simply doing the work (user-trained technologies).

Everything a business user needs to do is select a document (could be a scanned document, a form, a table, handwritten notes, or an email), drag and drop required fields and click on 'Train'. The keyword classification is defined automatically, while the smart algorithm simultaneously learns extraction patterns from similar documents irrespective of their format (structured, semi-structured and unstructured). The acquired knowledge is utilized to automatically carry out extractions and channel data into processes, delivering significant business value to end users in their daily work.

Integrated Generative AI

The next giant leap in machine learning is set to reshape and re-imagine the landscape of creativity, productivity and innovation. The potential applications are boundless.

Generative AI capitalizes on massive corpuses of data, including large language models (LLM), to generate new content (e.g., text, video, images, audio, code). Firms that effectively employ AI can outperform their competitors, offering more innovative solutions and efficient processes. Numerous organizations have chosen to use open-source GenAI algorithms and pre-trained learning data to build super-efficient solutions that will address their unique challenges.

Our primary objective at Papyrus Software is to offer best-in-class service to our customers. That is why we don't rely on a single model, but aim to integrate a range of models to assure that our clients have the ability to utilize the most suitable option for their specific needs.

AI is not just a trend, but a surging tide which will revolutionize how we conduct business, and how we work and live. As we gradually unravel the mystery of AI, one fact stands out clearly: we are only at the beginning of its influence.