

Utilizing Next Gen Tech to Analyze & Extract Unstructured Data

Impact of AI on Neural Networks & Benefits of Automation as a Service

Following our previous interview about utilizing next gen tech to analyze & extract unstructured data, and seeing a positive response from the IRPA AI membership, we decided to do a follow-up interview to continue the conversation.

In this 3x1 (3 questions, 1 expert) interview, Frank Casale, IRPA AI Founder, sat down with Raman Makkar, the Chief Innovation Officer of the Digital Exchange Solutions, which is a division of IRPA AI. This interview explores the impact of artificial intelligence and neural networks, how automation as a service is changing the game for small to mid-sized organizations and what the most common benefits are.

Q What is the impact of artificial intelligence and neural networks?

A Artificial intelligence, in the form of Natural Language Processing, Deep Learning and Transfer Learning, when applied to bi-directional character neural networks will enable trigger evolutionary machine learning models that do not necessarily require sample learning sets for training the models.

Curation UI's will enable process associates to carry out their business as usual actions and decisions on interfaces that will feed and hence train the underlying neural networks. This will continue till the underlying machine learning models fed by the neural networks start producing accurate results (actions/ decisions) at percentages that meet or exceed the human actions and decisions. At these junctures they will start getting introduced into cognitive decision-making processes.

Q Why do you like automation as a service as it applies to unstructured data?

A In the yester-years, large enterprises could afford to set up large infrastructure and invest significant capital on expensive licenses for managing their unstructured data automation. This made sense in an era where the lifecycles for transformational technology induction were measured in decades.

With the high rate of evolution of such automation, the new generation of technologies are leapfrogging existing features and functionality every year (If not quicker). In such a dynamic environment, it makes sense for the large enterprise to leverage the evolutions in technology by using automation as a service.

On the flip side, small to mid-sized organizations were always at a disadvantage and had to be content with the “poor man’s” version of the technology available to the big boys. The introduction of automation as a service allows these organizations to play on a level playing field with the large enterprise.

Q Can you explain what the most common benefits are?

A Yes, these benefits include:

- Reduced infrastructure footprint/cost
- Reduced internal IT development and support cost for large but outdated systems
- Evergreen technology
- Ability to integrate in real/ near-real time with client’s core enterprise systems are a default feature
- Focus on core processes and systems as opposed to automation or data extraction systems

For a limited time, the Institute for Robotic Process Automation & AI (IRPA AI) is putting together a 30-minute complimentary phone briefing on reducing costs by utilizing automation to streamline unstructured and semi-structured data.

To schedule your briefing, email Carrie.Simon@irpanetwork.com.

About Raman Makkar



Transformative leader & mentor, hands-on coach, innovative technologist, meticulous business operations leader, empathetic people manager with an easy and effective communication style and virulently infectious energy. Raman challenges status-quo and uses multivariate feedback loops from the environment to bring about transformations in technology, processes & policies. The innate ability to align people to organizational goals, inspire them to go above and beyond and to energize them towards creating disruptive services produces a great work environment and sustainable results.

About Frank Casale



Frank J. Casale is the founder and CEO of The Outsourcing Institute (OI) and the Institute for Robotic Process Automation and Artificial Intelligence (IRPA AI). Established in 1993, OI is a global marketplace and community of 70,000+ executive members including leading practitioners, service providers, advisors, thought leaders, industry observers and analysts. IRPA AI was established in 2013 as an independent professional association and knowledge forum for the buyers, sellers, influencers and analysts in the rapidly growing field of robotic process automation, cognitive computing and artificial intelligence.