

Machine Learning and Robotic Process Automation(RPA) with AutomationEdge

AutomationEdge Process Studio gives you the ability to seamlessly integrate machine learning by putting predictive models to work on big data faster – across industry domains and use cases – whether you use R or Python to build your models. Adding the modular and simplistic approach of Drag-N-Drop to this, integration becomes not only painless and easy but also intuitive and exciting.

Connecting the silos of Machine Learning and RPA Workflows

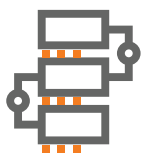
Many organizations have a hard time applying machine learning in business processes, as there is no proper way to integrate machine learning algorithms with the rest of business logic. With Process Studio, we are providing a solution to combine these two seamlessly and easily create artificially intelligent automated business and IT processes.

It is achieved using following steps:



Assimilating data from various channels and sources:

Collecting and formatting data from different channels, file types and source systems have always been a challenging and time-consuming task. Process Studio solves this issue for you by providing you with plugins for various source systems and file formats. Using Process Studio, one can easily collect data from the web, social networks, spreadsheets and business applications amongst others hence processing or formatting it as per requirements.



Integrating ML Algorithms and Models:

Once the data from various sources is collected, it is important to properly integrate your ML models or algorithms in your process at the right stage in your workflows. Process Studio comes bundled with plugins for Python and R which facilitate you to integrate your models right into your business process seamlessly. Furthermore, advanced steps for ticket or case classification comes bundled with the product which helps in areas like tickets created from unstructured emails and handling of complaint tickets. Also, you can use RPA and Machine Learning to build complex machine learning algorithms like Ranking & Scoring, Data Extraction & Matching, Approvals & Reviews to name a few.



Going live with the processes:

Once we are ready with the processes post-rigorous training and testing of the ML models, it is as easy to go live with them as the seamless integration in the earlier steps. You can save your workflows or processes and then publish them to AutomationEdge using the AutomationEdge Web UI. After completing this step and pushing it to the relevant systems via Agents, you will be able to see your Artificially Intelligent Automated Process in action immediately. This not only significantly reduces the time for deployment but also helps you in further maintaining and managing the processes.

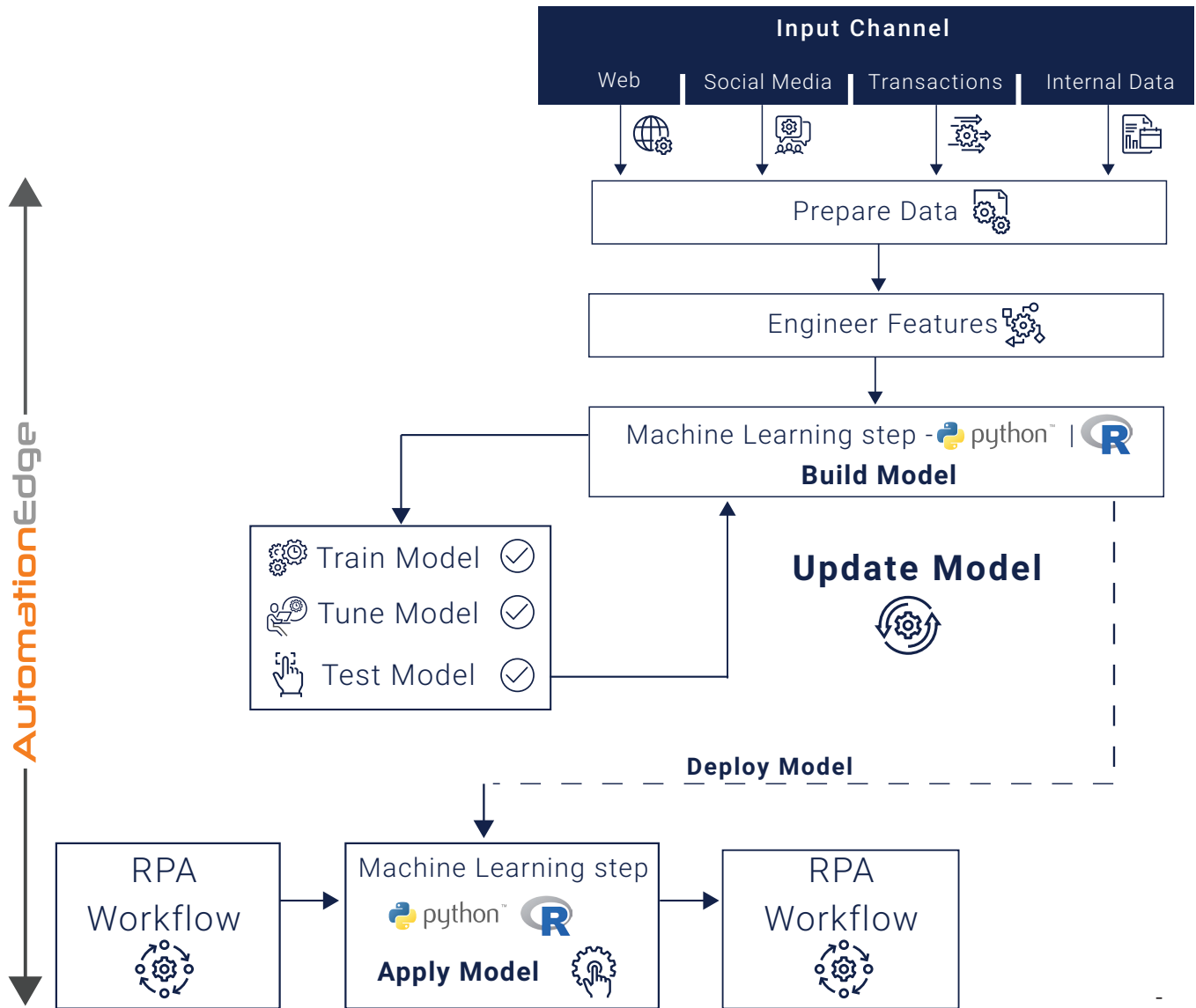


Fig: 1.1 Visual Representation of Machine Learning and RPA with AutomationEdge.

About AutomationEdge

AutomationEdge is the leading Robotic Process Automation (RPA) and IT automation solution provider. It's highly advanced Intelligent RPA, brings together all the essential capabilities required for enterprise automation like Artificial Intelligence, Machine learning, Chatbot, ETL, ready API integrations and IT automation. AutomationEdge has already delivered its innovative solution to large multinationals globally like American Express, Capita, Coty, ICICI Lombard, HDFC Life, Smart Dubai Government, Mashreq Bank and Genpact to name a few. AutomationEdge helps organizations automate their mundane, repetitive rule-based tasks across verticals whether in the front office, middle office or back office. AutomationEdge is also listed in the Salesforce AppExchange.