Case Study - ML & AI

The Client

Based out of NJ, USA, the company has created a motif discovery platform to help discern time motifs and search for similar ones in order to validate intuitive choices, find and understand underlying causes, and, quickly set up monitoring to manage outcomes. It is built specifically to scale for big data and IoT sensor data in order to monetize data patterns and scalable search and monitoring platform for Micro Trends

Problems and Challenges

» Product development in new and emerging technologies.
» Simplification of User Interface Designs for complex data modelling scenarios
» Lack of large volumes of clean data
» Overcoming execution difficulties associated with teams distributed across US, UK and India

SmartERP Solutions

» End-to-End ownership of product development life cycle
» Leveraged various modeling techniques such as regression, SVN and RNN
» For implementation, followed the supervised ML models - Multivariate Linear Regression, SVN, Multivariate RNN and Bayesian NN
» Generation of optimized graphs on the fly for end users
» Complete ownership of build process by using DevOps model with Babel and Gulp
» Worked with: Python with ML and AI libraries, Orange IDE for UI development, Node JS for UI design, Spark as dB, Advanced Statistics, Linear Regression, Tensor Flow Equations

Benefits

» Joint development of product with quick GTM
» Win-Win Product Development / Implementation partnership
» Skill development in niche and emerging areas like AI, ML and IoT
» Agile development methodologies resulting in accelerated product delivery with continuous feedback loops

About SmartERP

Smart ERP is a 350+ employee solutions and professional services firm formed in 2005 by former IT and Business executives. We have been an Oracle Platinum partner and a Business Intelligence and Analytics provider for almost 10 years. SmartERP is focused on the development of ERP/HCM point solutions, on-premise Oracle implementations/upgrades, Tax and Vendor Management solutions, Business Intelligence/Analytics and Big Data services, Oracle multi-pillar Cloud implementations and managed services/application support. We have established trusted relationships with over 300 loyal clients over the years. SmartERP has a diversified Business Intelligence and Big Data global practice of certified consultants with expertise across multiple technology platforms.

Our Business Intelligence/Analytics and Big Data services include: Strategy/Design, Planning Assessments/Roadmaps and Proof of Value engagements, Consulting, Architecture, Optimization and Implementation services, Development Tools and Technology platforms and Management and Support services. We are focused on small and medium businesses and have client references across a diversity of industries including: Higher Education, Professional Services, Hi-Tech, Manufacturing, Healthcare, Lifesciences and Retail/CPG and Distribution.

Our goal is to grow our Business Intelligence/Analytics and Big Data services business by leveraging our delivery excellence and competitive pricing capabilities along with our global team of consultants in the US, Offsite and Offshore to partner with our clients to successfully deliver value-based business and technology outcomes.