



# Artificial Intelligence and Analytics

Creating a Future Filled with Possibilities

Reimagine your capabilities, processes, and customer relationships with data-driven insights and intelligence



# OFFERINGS



## Data Architecture and Engineering

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- Data Modeling
- Data Lakes
- Performance Tuning
- Best Practices – Reference Architecture
- Real-time Data Pipelines



## Analytics and AI

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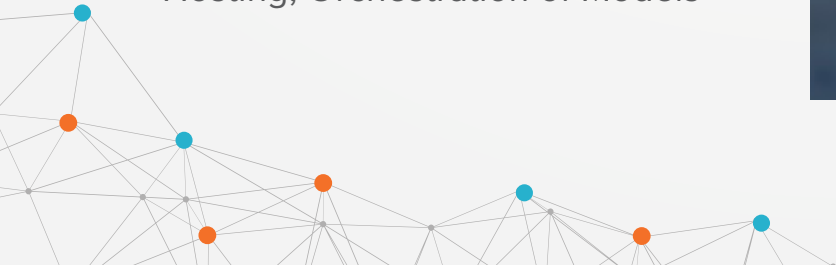
- Cognitive Analytics
- Time Series Analytics
- Geospatial Analytics
- Predictive Analytics
- Anomaly Detection
- Edge Analytics
- Data Visualization



## MLOps

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- DataOps Pipeline
- Model Management and Governance
- Hosting, Orchestration of Models



# PRODUCTS



## Retention Intelligence

Award winning deep learning based solution to identify the churn in the mortgage loans



## Tavant Manufacturing Analytics Platform (TMAP)

A scalable analytics platform for the aftersales market of the manufacturing industry

# TECHNOLOGY



## Predictive Modeling

Time-series, Classification, Regression, Anomaly Detection, LR, Decision Trees, RF, SVM, XGB, CART, PCA



## Natural Language Processing

Chatbots, Text Classification, Entity Extraction, Word2vec, Sentiment Analysis, Topic Modeling



## Deep Learning

Convolutional NN (CNN), Recurrent NN (RNN), LSTM, GRU, Generative Adversarial Networks (GAN), Vision, Sequence Models



## Decision Making

Reinforcement Learning A-B Testing, Contextual Multi-Armed Bandit (CMAB), Deep Q-Learning, Deep RL, Policy Gradient



## Data Management

Business Intelligence, Petabyte Scale Data Lakes, Data Warehouses, Hadoop Ecosystem



## Cloud

Cloud Native, Hybrid Architectures DevOps



## AREAS OF EXPERTISE



### Databases

**Traditional:** SQL Server, Oracle, MySQL, DB2

**MPP:** Redshift, Snowflake, SQL DW, Vertica, Teradata, Netezza

**NoSQL:** Aerospike, Hbase, Cassandra, MongoDB



### AI/ML

**Models:** Deep Learning, Reinforcement Learning, Text Mining/NLP, Predictive Modeling, Random Forests, SVM, Logistic Regression

**Tools:** scikit-learn, Tensorflow, Spark Mllib, SAS, Python



### ETL

Attunity, Airflow, Informatica, SAP BODI, SSIS, IBM IM, PL/SQL, Talend



### Visualization

Tableau, Power BI, D3.js, OBIEE, Pentaho, Jaspersoft, SSRS, SAP BO, Cognos



### Big Data EDL

Hadoop/Hive, Spark/Spark, SQL/PySpark, Presto, Kafka, Spark Streaming, Kinesis, Storm, Oozie, Airflow, NiFi, Sqoop



### Cloud Platforms

AWS, Azure, GCP, Docker, Kubernetes



# AWARDS AND ACCOLADES



## 2020 Bronze Stevie Award

Retention Intelligence won Bronze Stevie Award in the Artificial Intelligence / Machine Learning category



## People's Choice Stevie Award

Tavant Manufacturing Analytics Platform and Retention Intelligence won People's Choice Stevie Awards in 2020 American Business Awards

# PEOPLE AND PARTNERSHIPS



**200+**  
**SKILLED**  
**RESOURCES**

## ABOUT TAVANT

Headquartered in Santa Clara, California, Tavant is a digital products and platforms company that provides impactful results to its customers across North America, Europe, and Asia-Pacific. Founded in 2000, the company employs more than 2500 people and is a recognized top employer. Tavant helps organizations to embark on their digital transformation journey through Artificial Intelligence. Our AI-Powered Analytics approach enables organizations to unlock their market potential by allowing quick contextualized decisions to improve business outcomes.



Santa Clara | Dallas | New Jersey | London | Bangalore | Hyderabad | Noida | Sydney | Tokyo | Colombia

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