

OUR DISCOVER PLATFORM

USING DATA TO DRIVE BETTER BUSINESS DECISIONS AND SUPPORT MISSIONS



Despite growing machine learning (ML) adoption, many organizations are hamstrung in their efforts by clunky, brittle development and deployment processes that stifle experimentation and hinder collaboration between product teams, operational staff, and data scientists.

Therefore, we have created a full-stack MLOps platform utilizing Amazon Web Service's (AWS) cloud environment called the *Discover Platform*. Explore *Discover* today at <https://discover.doveltech.com/>

Our platform provides continuous improvement of the analytical models as data is constantly ingested into the platform.

Discover helps drive business value by fast-tracking the experimentation process and development pipeline, improving the quality of model production—and makes it easier to monitor and maintain production models and manage regulatory requirements.

Discover shows where transformation can happen.

Seeing the future in a test environment gives organizations the visualization needed to understand where their digital journey can take them. Additionally, *Discover* allows users and organizations to test solutions against their own data in a completely secure and encrypted environment.

Create minimal viable products (MVP) to rapidly take to production.

- A digital platform in today's fluctuating business environment to bring ML methods from a Jupyter notebook to full implementation in the cloud (patented technology)
- An agile and scalable digital platform by creating and integrating reusable APIs and multiple cloud environments
- A central place where scientists can critically assess AI/ML capabilities for potential implementation into their environment
- A cloud environment with significant computing power and storage to implement multiple experiments and simulations
- A platform for scientists, researchers, and principal investigators to showcase use cases using ML, NLP, and deep learning algorithms
- An ingestion engine capable to analyze, correlate, and synthesize diverse large data sets and produce quick dashboards to present insights and improve decision making.

Discover presents use cases from different market segments. Some of these use cases include:

- NLP solutions to support document compliance and support recruiters by parsing hundreds of resumes against a series of skill requirements
- ML algorithms for both sentiment analysis and predictive maintenance
- Medical imaging solutions used to identify objects and diseases in images
- Visualization dashboards for vaccine surveillance and medical devices surveillance purposes, showing labeled and un-labeled adverse events
- HR Chatbots using the Alexa engine allowing prospective candidates to identify open positions within the firm
- Document compliance analyzer comparing documents and providing similarity scores
- Perform graph analytics combined with entity extraction capabilities clustering PDFs according to a specific ontology
- Innovative AI/ML algorithms to analyze massive amounts of network traffic data in real-time, identifying suspicious activity, detecting anomalous traffic patterns, and empowering our data analysts with rapid access to enriched, raw network security data and intelligence.

Explore Discover today at <https://discover.doveltech.com/> and contact us at Innovation@guidehouse.com to learn more.

ABOUT GUIDEHOUSE

Guidehouse is a leading global provider of consulting services to the federal government, public sector, and commercial markets with broad capabilities in management, technology, and risk consulting. We help clients address their toughest challenges and navigate significant regulatory pressures with a focus on transformational change, business resiliency, and technology-driven innovation.

CUSTOMER INTIMACY

Our team is fueled by innovative thinking that accelerates client advancements.

HIGH QUALITY FOCUS

We apply a world-class quality initiative to increase product and service efficiency and cost effectiveness as well as customer and user satisfaction.

OUTCOMES-BASED APPROACH

Our knowledge of client missions and operations enable us to deliver solutions that immediately make a difference.

FLEXIBLE, AGILE PROCESSES

We deliver rapid prototyping and solution development to quickly meet mission critical challenges.

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