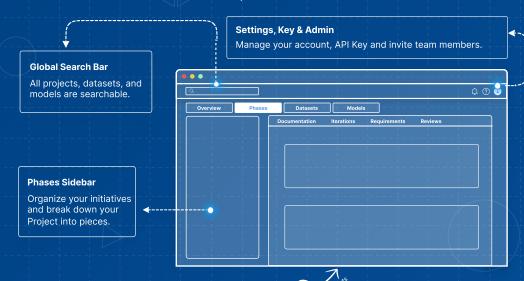
# ML Auto-documentation with Vectice





# **Vectice Blueprint**

You can find each section in the areas pointed below





# **Vectice Metadata Widgets**

You can use every asset as widgets to conveniently add them to reports



# **Metadata Comparison Widget** for Datasets and Models

Dynamically compare Model Versions' status, technique, and metrics.





### Structure

How vectice keeps your work neat

### Workspace (incl. dashboard)

Safe environment for enterprises

### Project (incl. overview)

Machine learning initiative, cross-team, cross-function

### Phase

Customizable structure for your project

### Documentation

Audience-specific reports leveraging auto-documented assets

### Iterations

Work auto-documented from the notebook/IDE

### Requirements

Guidance on what needs to be completed

Gain insight into phase progress and data science initiatives

Auto-versioned repository based on dataset-metadata

# Model

Auto-versioned repository based on model-metadata

# Code Snippets

Auto-document your work from your Notebook, IDE or Pipeline Learn more about the API at api-docs.vectice.com

### Install the latest Vectice Python client library

%pip install vectice import vectice

### **Connect to Vectice**

connect = vectice.connect(api token="your-api-key")

### Also available as:

FileResource(paths, dataframes) GCSResource(uris, dataframes, gcs\_client) S3Resource(uris, dataframes, s3 client) BigQueryResource(paths, dataframes, bg client) DatabricksTableResource(path, dataframes, spark client)

### Retrieve Phase ID & create iteration

phase = connect.phase("PHA-XXXX") iteration = phase.create or get current iteration() or iteration = phase.create iteration()

### **Document a Dataset**

clean dataset = Dataset.clean(name, resource=FileResource(paths, dataframes))\_ iteration.log(clean dataset)

### Document a Model

model = Model(name, library, technique, metrics, predictor, attachments) iteration.log(model)

### Document contextual information from notebook/IDE

iteration.log("Contextual information about model or dataset")