# **Contact information for Official Representative:**

**Name: Suresh Devalapalli**

**Email: sureshd@gaussiansolutions.com**

**Team Name: Gaussian Solutions**

# **Names of additional team members: None**

**Name:**

**Name:**

**Name:**

# **Introduction to Team:**

Gaussian Solutions LLC provides consulting services for clients seeking solutions in data analytics, AI and ML. Suresh Devalapalli is the sole proprietor of the company. Suresh has years of experience designing embedded systems, mainly for mobile phones, and gaming systems, and employing vision-based AI solutions. He is also a mentor at University of Washington CoMotion Labs that help faculty and students translate their research into viable products.

# **Executive Summary of Solution:**

Gaussian Solutions web-based solution allows a reviewer of EULA to upload the EULA document (in word, or pdf form) and receive whether each clause in the document is acceptable or not, and the confidence with which the recommendation is made. Given the confidence of the decision, reviewer can go over the less confident recommendations only, if he/she are pressed for time. Reviewer also has a chance to disagree with the recommendation. Reviewer’s changes to the recommendations are fed back to the server, and this data is used to retrain the model. Given the current sparsity of data, having a human assisted labeling, and data gathering will help build a better model over time. Gaussian Solutions also believes in continuous improvements, and continuous deployment (a.k.a CI/CD), whereby with each new feedback from reviewers, backend system retrains the model, measures the improvements, and automatically deploys the model, if it is better.

# **Gaussian Solutions Architecture:**

## **Technology Scope:**

* At a high level, what technologies does the solution use? (e.g. language, frameworks).
* Webapp:
  + Backend: Flask framework for web app
  + Front-end: Bootstrap for JavaScript, html and CSS used for front-end, along with some custom CSS
  + Firebase for hosting and CI/CD
* Model:
  + Python-docx : for parsing word documents
  + Pdftotext : for parsing pdf documents
  + Scikit-learn: for various preprocessing, models, and building pipelines
  + Pandas: for data manipulation
  + Keras for experimenting with neural network models
  + Natural Language Toolkit for preprocessing of text

## **Functionality and User Interface:**

* What type of user interface does the solution provide (e.g. web interface, command line interface).
  + Web-based interface for users to access it using computer, phone or tablet
  + ***A command line interface can also be provided***
* What input formats does the solution support? (e.g. PDF or MS Word).
  + Supports both **PDF** and **MS Word**
* How does the solution process batches of documents?
  + Currently doesn’t allow for batch processing

## **Application of Artificial Intelligence/Machine Learning (AI/ML):**

* Provide a description of the ways in which the technology leverages AI/ML. Please specify general approaches (supervised, unsupervised) and conceptual description of how these apply to the challenge.

NOTE: Please do not submit any sensitive or classified information.