AI/ML Engineer Coding Assessment

Overview:

- Welcome to the AI/ML Engineer Coding Assessment. This assessment evaluates your skills and expertise in machine learning and artificial intelligence. You will be given a specific problem statement to solve, and you are required to submit your solution via GitHub.

Instructions:

1. Problem Statement:

- Train a model to predict a person's personality using text.

2. Data:

- The data which is to be used is provided in the zip format.
- URL:- https://drive.google.com/drive/folders/1Hs-tBoQ0n2LRB5lN6SUylvpn6KAARgNq?usp=drive_link

3. Requirements:

- Python must be used as the programming language
- EDA on Data with explanation/conclusion/findings
- The model must be trained using Deep Learning
- The final code must be deployment-ready

4. Deliverables:

- Candidates are required to create a GitHub repository for this assessment.
- Within the repository, provide clear instructions on how to run and test the code.

- Candidates should also include a README.md file that explains their approach, rationale, and any trade-offs made during the solution development.
- Ensure that the repository is well-organized and easy to navigate.

5. Submission:

- Candidates should submit their solution by pushing their code to the GitHub repository created for this assessment.

6. Evaluation:

- Candidates will be evaluated based on the following criteria:
  - Code quality and organization
  - Model performance
  - Documentation and comments
  - Creativity and problem-solving skills
  - Version control best practices (e.g., using branches, commit messages)
  - Compliance with instructions and requirements

7. Time Limit:

- 3 Hours

8. Additional Information:

- Candidates can use Jupyter Notebook or Google Colab for training model
- Candidates can you pre-trained models directly
- **We encourage candidates to not use ChatGPT or code Generation Assistants, Using one can lead to disqualification**

Example GitHub Repository Structure:

- `README.md` (Instructions, approach, and explanation)
- `src/` (Source code)
- `data/` (Data files, if applicable)

- `requirements.txt` (List of dependencies)