1Stadia

Hello,

Thanks for considering taking up an opportunity to be part of the 1Stadia family. We deeply appreciate your interest. Through the below assignment we hope to find the appropriate role for you at 1Stadia.

Assessment for the role: Software Engineer – AI at 1Stadia

Skills Required

- Familiarity with AI and machine learning concepts and frameworks (e.g., TensorFlow, PyTorch, scikit-learn).
- Knowledge of data preprocessing, feature engineering, and model evaluation techniques.
- Excellent problem-solving and analytical skills with keen attention to detail.

Problem Statement

Given a sample image of two different advertisements being combinedly displayed on a screen, we expect you to find the specific area of the advertisement being displayed using computer vision techniques such as feature-matching and not using deep learning models. You can use classical machine learning models to refine your results.

Link to assets

- Combined advertisement [Image]
- Advertisement 1 [Coca-Cola]
- Advertisement 2 [Pepsi]

Evaluation Criteria

- The complexity of the solution [40 %]
- How well do you explain your approach to the solution? [35 %]
- Does your solution work in all corner cases? [25 %]

Communication

You are encouraged to contact your 1Stadia contact to seek any clarifications on any matter, before you begin your assignment or while completing your assignment. It is OK to ask questions if you don't understand something or if you get stuck. We encourage collaboration within the team and strongly believe that we all need to push and help each other every day to reach our goals. But it is also important that you have the ability to figure things out by yourself and don't need too much spoon-feeding. Striking the right balance is key.

All the best and we look forward to welcoming you to our team