

Deep Reinforcement Learning Intern Position

Assessment Task

Dear Candidate,

In this assessment, your task is to train a deep reinforcement learning (DRL) agent using an OpenAI gym environment. The goal is to train a DRL agent and develop a basic understanding of how a DRL agent interacts with an environment. You can use any library for DRL agent such as Stablebaselines, ray rllib, etc.

In this assessment, you are required to use the following environment and DRL algorithm:

Environment name: **CartPole-v0**

DRL algorithm name: **Deep Q-Network (DQN)**

After training the DQN, please submit the following in email at hr@neurog.ai, latest by January 06, 2022:

- 1- Jupyter notebook containing the training code,
- 2- A brief explanation of the environment and the methods it used to interact with the DRL algorithm.

We look forward to your acknowledgement. If you have any questions please feel free to contact us at hr@neurog.ai or +92 51 8912223.

Good luck!

