Machine Learning Associate

Dear Candidate,

Thank you for your registration for a job opportunity with Parkzap Labs(Stack Fusion Pvt. Ltd.) for Machine Learning Associate.

Subsequent to your application for Machine Learning Associate at Parkzap Labs(Stack Fusion Pvt. Ltd.), we would like you to do the task mentioned below so that we evaluate you for internship and pre-placement offer. For any questions give a call on the numbers mentioned below in the mail or please send an mail with your questions.

Task Timing: 2 days. But even if you can't complete the task get back to us with whatever you have done.

TASK: Train an Object Classification model to identify the model of a car from an image.

1. Train an ML model that classifies/tags an image with objects contained in it.

2.Collect/scrape or generate the training data for at least one car model for example" Maruti Suzuki Swift``. Use the training-data to accurately train an image classification model.

3. Create a simple web server that hosts a page where a user can upload the image of a vehicle. The web-page should work such that if a user uploads an image, the model trained in Step 2 should inference it. Inference results should be shown in a simple manner as text output. In case you are familiar with TensorFlow-lite, you can also use Android-app to demonstrate the model instead of a web server.

How to submit the assignment:

- Share the URL: The application should be hosted on a URL (use any free cloud server of your choice e.g. Heroku). Share the link with us once hosted.
- Share the source code: Share the source code for (1)training/inferencing the model (2)Web Server via your Github account
- [Optional]In Readme mention how you gathered the data or any specifics you want us to know

NOTE: Even incomplete assignments will be accepted.

Deliverables:

You must share with us:

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- Share the source code: Share the source code for (1)training/inferencing the model (2)Web Server via your GitHub account
- In Readme mention how you gathered the data

Tips:

1. Please use reusable models/tools for image classification.

2. For the web application, use any language of your choice.

The date of submission of the assignment is 2 days from the time the assignment is emailed to you. Even if you are unable to finish the assignment, send whatever code you have written these days.

For any questions on this assignment, feel free to contact us back for clarification.

You can contact:

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