



Face Recognition System

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Specifications

1. Web Camera: [Logitech 1080p Web Camera](#)
2. System: having maximum clock speed ≥ 3.5 GHz
3. Database: MongoDB or as per requirements
4. GPU: about 16 GB GPU RAM (We aren't sure regarding size of dataset and optimal batch size so 16 seems a safe value)
5. Normal RAM: ≥ 16 GB
6. Setting up jupyter server that can be remotely accessible

Project Plan

Setting up the requirements

Requesting you to please set up the requirements by January

I. Phase-I

Collection of dataset starts

II. Phase-II

Prototype implementation of FaceRec System

III. Phase-III

Implementing optimization techniques like LRU

IV. Phase-IV

Integration of optimization techniques with the Model training and inference

V. Phase-V

Deployment of the existing model

VI. Phase-VI

If above experiment successful, planning how to scale