**The Golden Company**

The problem statement that we picked up for this hackathon was as follows-

Find the photo of a missing person, from police database or a string of other official databases or from social media platforms and internet in general. Our task was to develop an app to capture a photo and search for the same on official websites/ social media websites/ internet using and optimized facial recognition algorithm.

List of tools and technologies used

* For Angular UI
  + Angular CLI 7.0.6
  + Node 12.13.0
  + NPM 6.13.0
* For Image Recognition API
  + OpenCV
  + Python 3.6
  + Inception Model

All test cases and test data can be found in the UI project at “src/assets/image\_db” and “src/assets/search\_space folders”

Code Repository Links

https://github.com/souptikmakarov/KSP-IPH-2019-Tabel16\_UI

<https://github.com/souptikmakarov/KSP-IPH-2019-Tabel16_API>

To setup UI code, clone to local, cd into the root directory and execute “npm install”. Once successful execute “ng serve” to launch app locally.

To setup API code, clone to local. Execute “pip install”. Once successful, execute “python api.py”.

Screenshot of working UI on next page

