Optical Character Recognition

Contents

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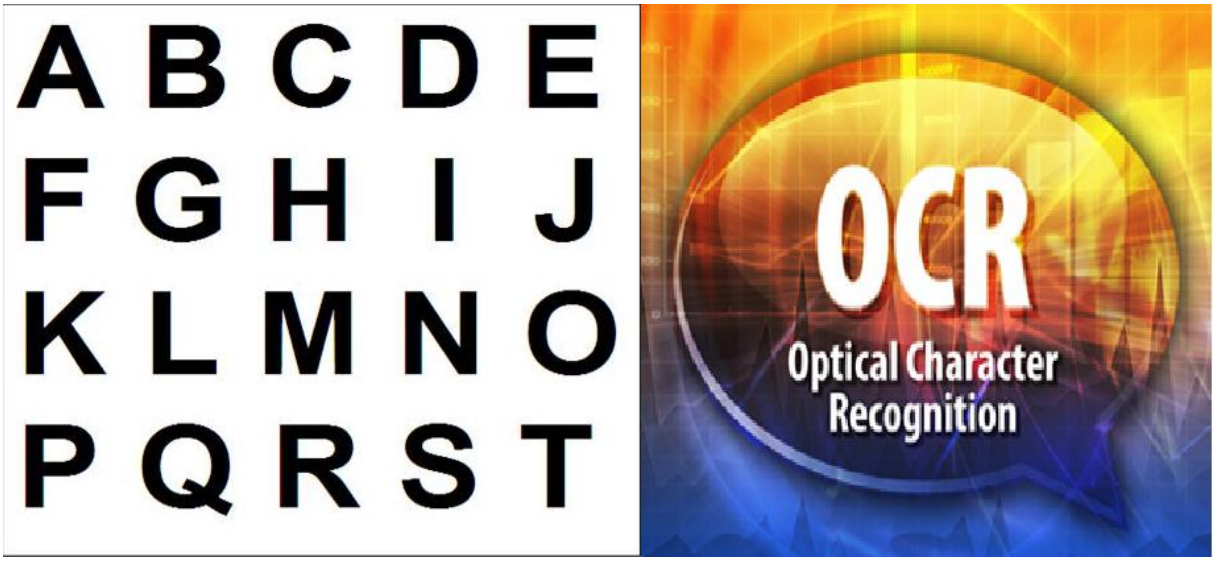
Optical **C**haracter **R**ecognition is detecting text from an Image. Handwritten or a printed version or sign boards in machine understandable version. It is common to digitize visual text into electronic form to store or edit data or perform any further action upon proper interpretation. **OCR** has wide range of applications depending on the field of interest.



The objective of this project is to detect characters (programmer suited from printed paper, document or sign board etc.) and display the result. The programmer has choice to implement on Linux or Android with target detection accuracy no less than 80%. Preferably the accuracy is expected to be around or above 90% for better results.

The application may extend to alphanumeric and various symbols used on regular keyboards. If possible, extend to different Swedish alphabets apart from standard English alphabets.

The programmer may use any of the open source libraries or implement one to achieve the results. Following steps may be implemented during the OCR implementation:

- Input feed
- Pre-processing
- Segmentation
- Extraction / recognition
- Output to display.

Sounds interesting? Do you want to tweak the scope with your own ideas?
Get in touch with us for a discussion!

Next Step?

To secure that the project is yours please send a mail or call me (Gabriel Ibanez), I will be willing to share with you further details including booking a first meeting with your project supervisor:

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You are most welcome to join us at ***Cybercom Lindholmen*** (***Lindholmspiren 3A, 417 56 Göteborg)*** on Monday the 23th October at 17:00**.** We will show you then how we work, run a demo of our current ongoing-projects and let you meet the rest of the Innovation Zone's team so that you can feel at home from day one.

There will be pizza and opportunity to meet your project supervisor to discuss further about your project. Welcome!

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The collection of ideas that we present to you intend to reflect that diversity, we at Cybercom hope that you can find them inspiring. May your idea for project not be among our proposals? Let us hear about it, we will always welcome your own ideas and proactivity.

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Innovation Zone's blog:
https://www.cybercom.com/innovation-zone/blogs-innovation-zone/innovation-zone-blog/

A sample of theses and practices that were supported by Cybercom

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