Vision IA Microservice for the detection of ID personal data

Bernabe Ortega-Tenezaca $^{a, b}$, Viviana Quevedo-Tumailli $^{a, c}$, Edgar Rivadeniera-Ramos $^d$, Luis Alberto Uvidia Armijo $^e$

$^a$ RNASA-IMEDIR, Computer Science Faculty, University of A Coruña, 15071, A Coruña, Spain
$^b$ Universidad Estatal Amazónica, UTIC, Puyo, Ecuador
$^c$ Universidad Estatal Amazónica, Sciences of Earth Departament, Puyo, Ecuador
$^d$ Universidad Estatal de Bolívar, DTIC, Bolívar, Ecuador
$^e$ Escuela Superior Politécnica de Chimborazo, Sede Morona, Ecuador

Graphical Abstract

Abstract.

We provided a microservice developed in Nodejs connected to Google Cloud services. From a photograph of the ID obtained through a mobile device, its content is analyzed to extract its information. The Vision AI API uses AutoML Vision, which is capable of interpreting text. The information returned by the Vision AI service is processed in the microservice and the confidential information is anonymized, to be stored in a MySQL database server. The microservice is part of a mobile application to register the entry of citizens to a government institution.
References


