Documentatie proiect SI

**2024**

**-Sistem automat de procesare de imagini pentru recunoașterea video a culorilor de la semafor-**

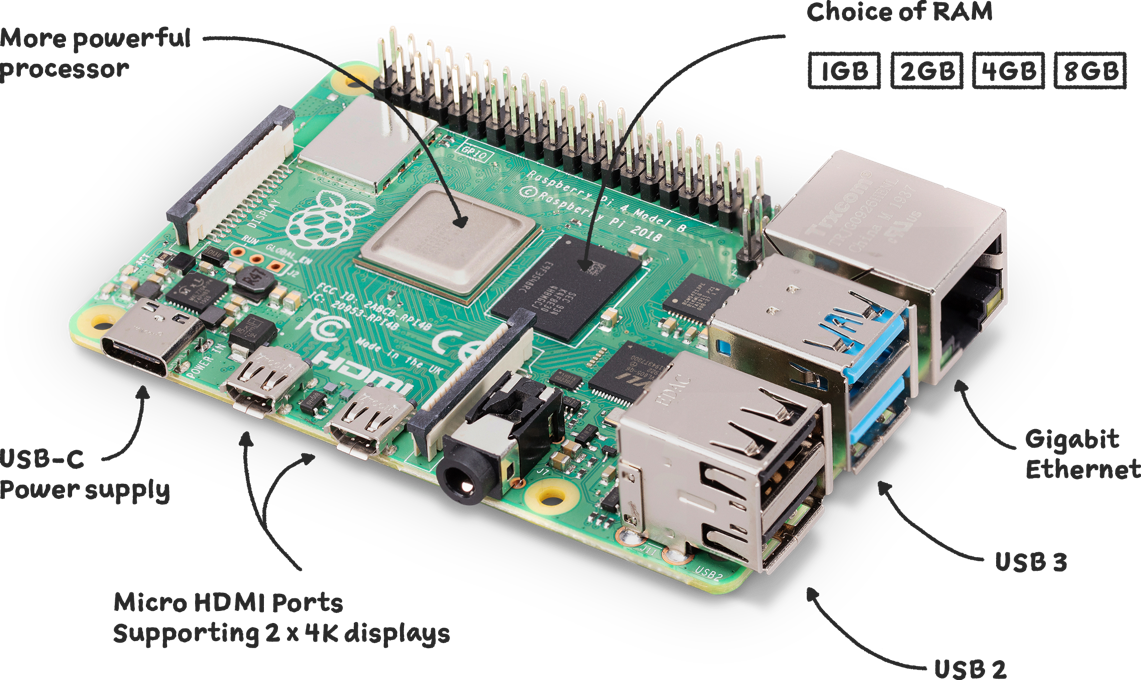
**Burduniuc Iulian**

**Bran Diana-Georgiana**

**Anița Iulia-Andrada**

**1.Componente Utilizate**

* *Raspberry Pi 4*



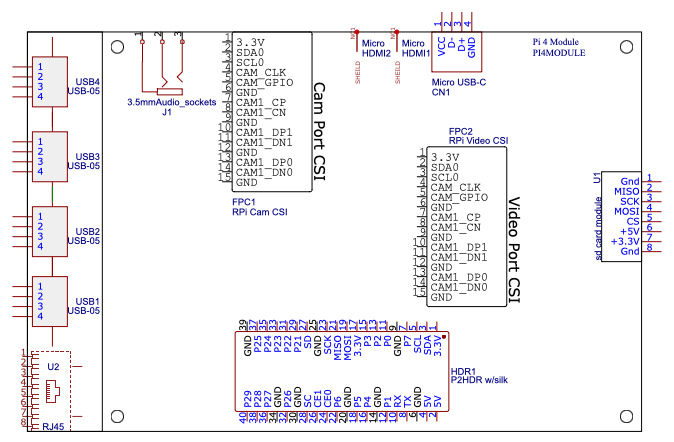
* *Modul Camera 3*

***A small green circuit board with a white ribbon

Description automatically generated***

* *Tastatura*
* *Mouse*
* *Monitor*

**2.Shema Hardware**

A close-up of a computer chip

Description automatically generated

**3.Dataset**

**Sursa:** Hugging Face. **A black background with blue text

Description automatically generated**

**Link:** <https://www.kaggle.com/datasets/tuanai/traffic-signs-dataset/data>

**Descriere:**

* 6000 de imagini

**A blue sign with white arrows

Description automatically generatedA sign with a number on it

Description automatically generated**

**A blue sign with a white arrow

Description automatically generatedA yellow sign with a person crossing the street

Description automatically generated**

* 50 clase

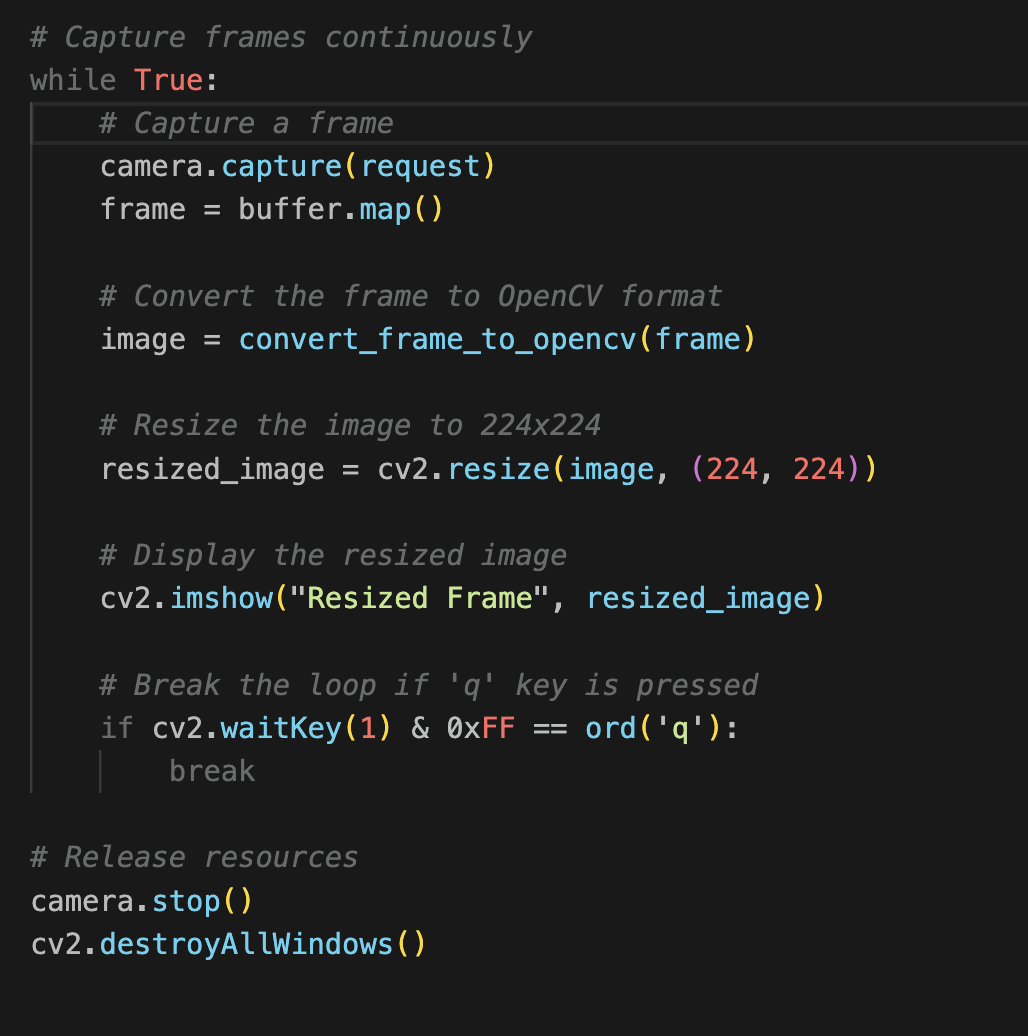
**A screenshot of a computer

Description automatically generated**

**4.Code**

**A screenshot of a computer program

Description automatically generated**

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