OpenCV – Open Source Computer Vision Library

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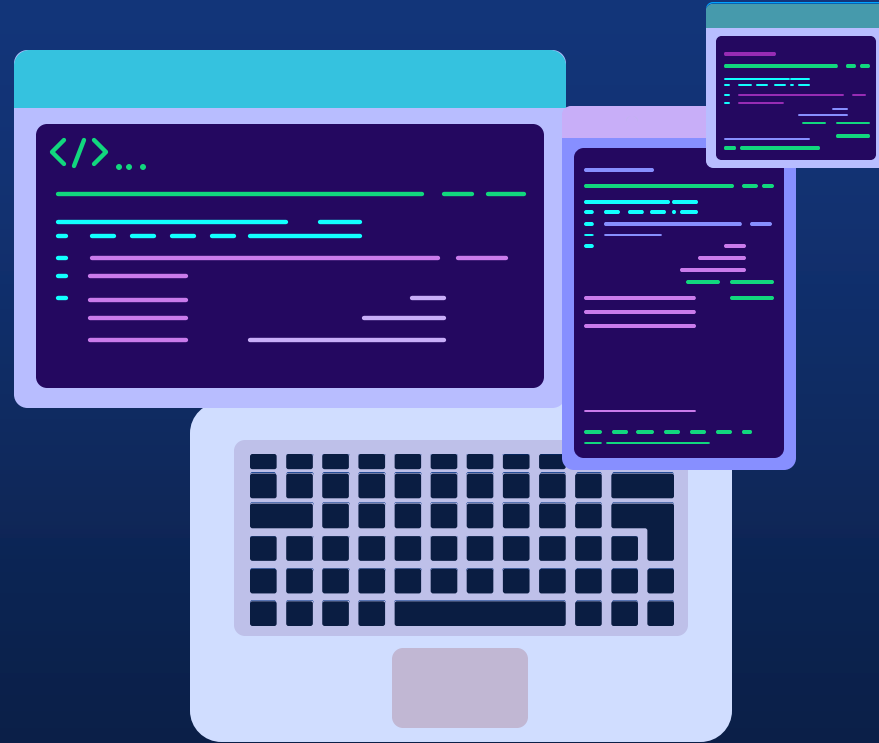   Ananda

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OpenCV Purpose

Created to Provide

a common infrastructure for computer vision applications and to accelerate the use of machine perception in commercial products

Helping People

to build sophisticated vision applications quickly and collaboratively.

License allows

that any variation of the original product cad be used for personal or comercial uses
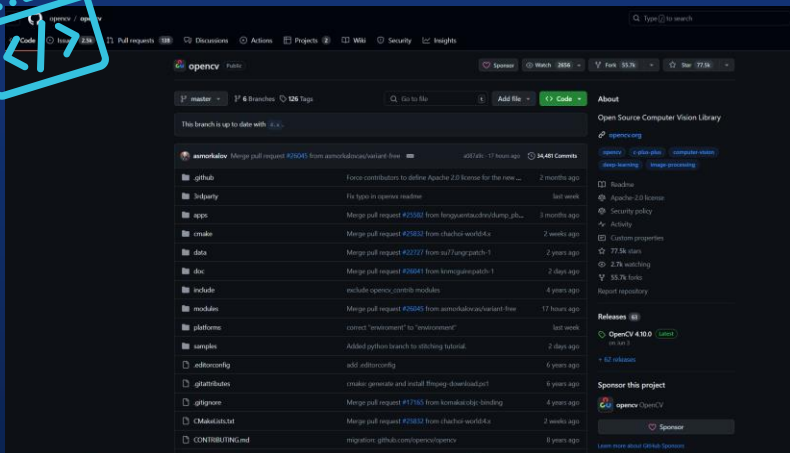
Source code and Technologies

The source code is available on Github

The main languages used are C++, C and Python

OpenCV is compatible with various platforms and operational systems

License and Contribution Guidelines

BDS

OpenCV 4.4 and inferior

Basic redistribution license, with no significant commercial impact

Apache 2

OpenCV 4.5 and superior

Permissive license, with derivative projects having the freedom to choose their own license

License and Contribution Guidelines

Coding Standards

A high level of standards, style, and best practices is required to contribute to the project

Maintenance

This helps maintain consistency and makes the project easier to manage

Documentation and Usage

Extense Documentation Available

Easy to Compile (plug and play)

Source code complexity is higher (C++ Coding Style)

Creator and Governance

Gary Bradsky

Creator of OpenCV, developed the library while working on Intel

Open Source
Vision Foundation

Non-profit organization currently responsible for managing OpenCV, with several developers responsible for maintaining the library

Open Source
Vision Foundation

OpenCV Community

Roadmap

Each year, a "roadmap" is created and published on GitHub, outlining the tasks to be accomplished that year

External Contributions

Contributions are made in the form of issues in the GitHub repository

Financial Decisions

Decisions are made by the developers responsible for OpenCV (as described in the documentation).

On the OpenCV website, there is a forum where anyone who needs help can ask questions. The community assists new users.

How it's mantained

The Open Source Vision Foundation is a non-profit organization, but it accepts donations of time and money to maintain OpenCV. There are no exact figures on how much they've raised, but it is known that they have secured contracts ranging from $6,000 to $100,000.