



Mastering OpenCV Android Application Programming

Salil Kapur, Nisarg Thakkar

Download now

[Click here](#) if your download doesn't start automatically

Mastering OpenCV Android Application Programming

Salil Kapur, Nisarg Thakkar

Mastering OpenCV Android Application Programming Salil Kapur, Nisarg Thakkar

Master the art of implementing computer vision algorithms on Android platforms to build robust and efficient applications

About This Book

- Understand and utilise the features of OpenCV, Android SDK, and OpenGL
- Detect and track specific objects in a video using Optical Flow and Lucas Kanade Tracker
- An advanced guide full of real-world examples, helping you to build smart OpenCV Android applications

Who This Book Is For

If you are a Java and Android developer looking to enhance your skills by learning the latest features of OpenCV Android application programming, then this book is for you.

What You Will Learn

- Understand image processing using OpenCV
- Detect specific objects in an image or video using various state-of-the-art feature-matching algorithms such as SIFT, SURF, and ORB
- Perform image transformations such as changing color, space, resizing, applying filters like Gaussian blur, and likes
- Use mobile phone cameras to interact with the real world
- Explore face detection, object detection, and image stitching in OpenCV Android programming
- Build smarter applications by using machine learning algorithms
- Learn to debug applications and create optimal custom algorithms by understanding how data is stored internally

In Detail

OpenCV is a famous computer vision library, used to analyze and transform copious amounts of image data, even in real time and on a mobile device.

This book focuses on leveraging mobile platforms to build interactive and useful applications. The book starts off with an introduction to OpenCV and Android and how they interact with each other using OpenCV's Java API. You'll also discover basic image processing techniques such as erosion and dilation of images, before walking through how to build more complex applications, such as object detection, image stitching, and face detection. As you progress, you will be introduced to OpenCV's machine learning framework, enabling you to make your applications smarter.

The book ends with a short chapter covering useful Android tips and tricks and some common errors and solutions that people might face while building an application. By the end of the book, readers will have gained more expertise in building their own OpenCV projects for the Android platform and integrating

OpenCV application programming into existing projects.

 [**Download** Mastering OpenCV Android Application Programming ...pdf](#)

 [**Read Online** Mastering OpenCV Android Application Programming ...pdf](#)

Download and Read Free Online Mastering OpenCV Android Application Programming Salil Kapur, Nisarg Thakkar

From reader reviews:

Carla Smith:

In this 21st hundred years, people become competitive in each and every way. By being competitive now, people have to do something to make themselves survive, being in the middle of the actual crowded place and notice by surrounding. One thing that occasionally many people have underestimated the item for a while is reading. That's why, by reading a publication your ability to survive increases then having a chance to stay than other is high. For you personally who want to start reading a new book, we give you this Mastering OpenCV Android Application Programming book as a starter and daily reading guide. Why, because this book is more than just a book.

Donald Perkins:

Here is the thing why this specific Mastering OpenCV Android Application Programming is different and reputable to be yours. First of all, reading a book is good but it really depends on the content of the computer which is the content is as delicious as food or not. Mastering OpenCV Android Application Programming gives you information deeper since different ways, you can find any e-book out there but there is no reserve that is similar with Mastering OpenCV Android Application Programming. It gives you a thrill reading through a journey, it opens up your personal eyes about the thing that will happen in the world which is maybe can be happened around you. It is easy to bring everywhere like in park, café, or even in your means home by train. When you are having difficulties in bringing the printed book maybe the form of Mastering OpenCV Android Application Programming in e-book can be your alternative.

Ashley Williams:

The reserve untitled Mastering OpenCV Android Application Programming is the book that is recommended to you to read. You can see the quality of the book content that will be shown to you actually. The language that the writer uses to explain their ideas are easily to understand. The author did a lot of investigation when writing the book, to ensure the information that they share for your requirements is absolutely accurate. You also can get the e-book of Mastering OpenCV Android Application Programming from the publisher to make you considerably more enjoy free time.

Michael Marx:

Why? Because this Mastering OpenCV Android Application Programming is an extraordinary book that the inside of the publication is waiting for you to snap that but later it will shock you with the secret the item inside. Reading this book alongside it was a fantastic author who else wrote the book in such a wonderful way makes the content inside easier to understand, an entertaining approach but still conveys the meaning fully. So, it is good for you for not hesitating having this anymore or you going to regret it. This amazing book will give you a lot of rewards than the other book have got such as help improving your expertise and your critical thinking way. So, still want to hesitate having that book? If I had been you I will go to the e-book

store hurriedly.

**Download and Read Online Mastering OpenCV Android
Application Programming Salil Kapur, Nisarg Thakkar
#GPL1CDUHRNJ**

Read Mastering OpenCV Android Application Programming by Salil Kapur, Nisarg Thakkar for online ebook

Mastering OpenCV Android Application Programming by Salil Kapur, Nisarg Thakkar Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Mastering OpenCV Android Application Programming by Salil Kapur, Nisarg Thakkar books to read online.

Online Mastering OpenCV Android Application Programming by Salil Kapur, Nisarg Thakkar ebook PDF download

Mastering OpenCV Android Application Programming by Salil Kapur, Nisarg Thakkar Doc

Mastering OpenCV Android Application Programming by Salil Kapur, Nisarg Thakkar Mobipocket

Mastering OpenCV Android Application Programming by Salil Kapur, Nisarg Thakkar EPub