Google Drive



Internet of Things with Python

Gaston C. Hillar

Download now

Click here if your download doesn"t start automatically

Internet of Things with Python

Gaston C. Hillar

Internet of Things with Python Gaston C. Hillar

Interact with the world and rapidly prototype IoT applications using Python

About This Book

- Rapidly prototype even complex IoT applications with Python and put them to practical use
- Enhance your IoT skills with the most up-to-date applicability in the field of wearable tech, smart environments, and home automation
- Interact with hardware, sensors, and actuators and control your DIY IoT projects through Python

Who This Book Is For

The book is ideal for Python developers who want to explore the tools in the Python ecosystem in order to build their own IoT applications and work on IoT-related projects. It is also a very useful resource for developers with experience in other programming languages that want to easily prototype IoT applications with the Intel Galileo Gen 2 board.

What You Will Learn

- Prototype and develop IoT solutions from scratch with Python as the programming language
- Develop IoT projects with Intel Galileo Gen 2 board along with Python
- Work with the different components included in the boards using Python and the MRAA library
- Interact with sensors, actuators, and shields
- Work with UART and local storage
- Interact with any electronic device that supports the I2C bus
- Allow mobile devices to interact with the board
- Work with real-time IoT and cloud services
- Understand Big Data and IoT analytics

In Detail

Internet of Things (IoT) is revolutionizing the way devices/things interact with each other. And when you have IoT with Python on your side, you'll be able to build interactive objects and design them.

This book lets you stay at the forefront of cutting-edge research on IoT. We'll open up the possibilities using tools that enable you to interact with the world, such as Intel Galileo Gen 2, sensors, and other hardware. You will learn how to read, write, and convert digital values to generate analog output by programming Pulse Width Modulation (PWM) in Python. You will get familiar with the complex communication system included in the board, so you can interact with any shield, actuator, or sensor.

Later on, you will not only see how to work with data received from the sensors, but also perform actions by sending them to a specific shield. You'll be able to connect your IoT device to the entire world, by integrating WiFi, Bluetooth, and Internet settings. With everything ready, you will see how to work in real

time on your IoT device using the MQTT protocol in python.

By the end of the book, you will be able to develop IoT prototypes with Python, libraries, and tools.

Style and approach

This book takes a tutorial-like approach with mission critical chapters. The initial chapters are introductions that set the premise for useful examples covered in later chapters.

Download Internet of Things with Python ...pdf

Read Online Internet of Things with Python ...pdf

Download and Read Free Online Internet of Things with Python Gaston C. Hillar

---

From reader reviews:

Ray Davis:

In other case, little men and women like to read book Internet of Things with Python. You can choose the best book if you'd prefer reading a book. Provided that we know about how is important a new book Internet of Things with Python. You can add understanding and of course you can around the world by way of a book. Absolutely right, simply because from book you can know everything! From your country until finally foreign or abroad you will end up known. About simple issue until wonderful thing you are able to know that. In this era, we can open a book or maybe searching by internet unit. It is called e-book. You can utilize it when you feel weary to go to the library. Let's go through.

Steve Garcia:

Do you have something that you want such as book? The book lovers usually prefer to opt for book like comic, short story and the biggest some may be novel. Now, why not attempting Internet of Things with Python that give your fun preference will be satisfied through reading this book. Reading habit all over the world can be said as the way for people to know world considerably better then how they react towards the world. It can't be mentioned constantly that reading behavior only for the geeky particular person but for all of you who wants to be success person. So , for all you who want to start reading through as your good habit, you could pick Internet of Things with Python become your personal starter.

Mamie Shaw:

Beside that Internet of Things with Python in your phone, it could give you a way to get closer to the new knowledge or data. The information and the knowledge you can got here is fresh from your oven so don't always be worry if you feel like an previous people live in narrow village. It is good thing to have Internet of Things with Python because this book offers for your requirements readable information. Do you occasionally have book but you would not get what it's interesting features of. Oh come on, that would not happen if you have this inside your hand. The Enjoyable set up here cannot be questionable, like treasuring beautiful island. So do you still want to miss it? Find this book as well as read it from right now!

Donna Solano:

This Internet of Things with Python is completely new way for you who has attention to look for some information as it relief your hunger of knowledge. Getting deeper you onto it getting knowledge more you know otherwise you who still having bit of digest in reading this Internet of Things with Python can be the light food in your case because the information inside this particular book is easy to get by anyone. These books build itself in the form and that is reachable by anyone, yeah I mean in the e-book application form. People who think that in reserve form make them feel sleepy even dizzy this e-book is the answer. So there is no in reading a reserve especially this one. You can find what you are looking for. It should be here for an individual. So , don't miss this! Just read this e-book type for your better life and knowledge.

Download and Read Online Internet of Things with Python Gaston C. Hillar #Q36VRH9TCM5

Read Internet of Things with Python by Gaston C. Hillar for online ebook

Internet of Things with Python by Gaston C. Hillar 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 Internet of Things with Python by Gaston C. Hillar books to read online.

Online Internet of Things with Python by Gaston C. Hillar ebook PDF download

Internet of Things with Python by Gaston C. Hillar Doc

Internet of Things with Python by Gaston C. Hillar Mobipocket

Internet of Things with Python by Gaston C. Hillar EPub