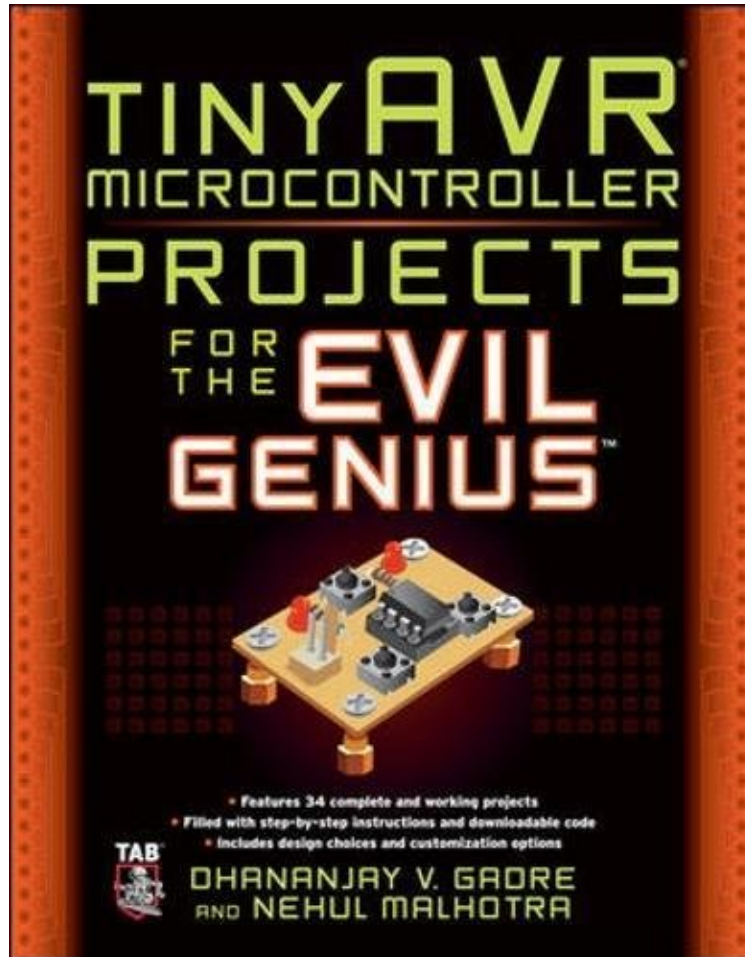


[Read and download] tinyAVR Microcontroller Projects for the Evil Genius

## tinyAVR Microcontroller Projects for the Evil Genius

*Dhananjay Gadre, Nehul Malhotra*  
*ebooks | Download PDF | \*ePub | DOC | audiobook*



DOWNLOAD



+

READ ONLINE

#821214 in Books Gadre Dhananjay Malhotra Nehul 2011-02-08 2011-01-18Original language:EnglishPDF  
# 1 10.80 x .53 x 8.40l, 1.34 #File Name: 0071744541272 pagestinyAVR Microcontroller Projects for the  
Evil Genius | File size: 58.Mb

**Dhananjay Gadre, Nehul Malhotra : tinyAVR Microcontroller Projects for the Evil Genius** before purchasing it in order to gage whether or not it would be worth my time, and all praised tinyAVR Microcontroller Projects for the Evil Genius:

3 of 3 people found the following review helpful. Kindle edition worthlessBy T VZI bought the Kindle edition of this book, only to promptly return it after discovering, much to my dismay, that every single code listing in the book lacks any line breaks (and, naturally, the indentation that makes code readable), and worse (if there even could be a worse) is that many crucial symbols are missing entirely, resulting in code that is syntactically correct but does not behave as intended.The only positive thing I can say about this experience is that did make returning this book for a full refund easy, once I figured out how to do it (go to Manage Your Kindle, select Actions next to the book, and then click Return for a Refund).This seems like it should be a great book, but in its current form it is unusable.0 of 0 people

found the following review helpful. Fun projects, but some homework to do By James W. Young This is a very entertaining book. Every book I've read aimed at gently introducing embedded MCUs tries to come up with unusual projects, but this book really delivers. Their LED-based flickering candle not only describes linear feedback shift registers in ordinary language, they show how they built the candle-shaped circuit boards and housing. The code and makefiles are on their website for downloading. They use WinAVR as their development tool, but I use Linux, not Windows. Also, I don't have on hand all the Atmel MCUs they use. But I renamed their MAKEFILE to makefile, changed the MCU selected in the makefile to one I had (from ATtiny13 to ATtiny25), and changed the programmer (to usbtiny). At that point avr-gcc was happy to build it and program my MCU. I haven't worked my way through very many of the projects yet (I have parts on order), and that brings me to my primary complaint: They don't specify all the components. This is mainly a problem with inductors, which come in a wide variety of sizes and shapes. Which ones fit the board layouts they provide? My other complaint is about typographical and other minor errors. For instance, for project 1 they show two versions of the schematic: Figures 1-20 and 1-21. There is an error in 1-20, but that's the one I built the circuit from. I would have registered the error if I could have found a way to do that on their website. 12 of 13 people found the following review helpful. Kindle Version Unusable By Chris McPherson Very disappointed in this book on the Kindle, primarily because the content is quite good for a beginner if you already have a bit of background, but the formatting issues with the kindle version are really inexcusable. All the code examples have no line breaks, which alone is enough to make it unusable but the worst problem is that some key code symbols don't render at all so it's not just hard to read, it's completely wrong, and in significant ways. Here's an example: The left shift (

CREATE FIENDISHLY FUN tinyAVR MICROCONTROLLER PROJECTS This wickedly inventive guide shows you how to conceptualize, build, and program 34 tinyAVR microcontroller devices that you can use for either entertainment or practical purposes. After covering the development process, tools, and power supply sources, tinyAVR Microcontroller Projects for the Evil Genius gets you working on exciting LED, graphics LCD, sensor, audio, and alternate energy projects. Using easy-to-find components and equipment, this hands-on guide helps you build a solid foundation in electronics and embedded programming while accomplishing useful--and slightly twisted--projects. Most of the projects have fascinating visual appeal in the form of large LED-based displays, and others feature a voice playback mechanism. Full source code and circuit files for each project are available for download. tinyAVR Microcontroller Projects for the Evil Genius: Features step-by-step instructions and helpful illustrations Allows you to customize each project for your own requirements Offers full source code for all projects for download Build these and other devious devices: Flickering LED candle Random color and music generator Mood lamp VU meter with 20 LEDs Celsius and Fahrenheit thermometer RGB dice Tengu on graphics display Spinning LED top with message display Contactless tachometer Electronic birthday blowout candles Fridge alarm Musical toy Batteryless infrared remote Batteryless persistence-of-vision toy Each fun, inexpensive Evil Genius project includes a detailed list of materials, sources for parts, schematics, and lots of clear, well-illustrated instructions for easy assembly. The larger workbook-style layout and convenient two-column format make following the step-by-step instructions a breeze. Make Great Stuff! TAB, an imprint of McGraw-Hill Professional, is a leading publisher of DIY technology books for makers, hackers, and electronics hobbyists.

About the Author Dhananjay V. Gadre is an assistant professor with the Electronics and Communication Engineering Division at the Netaji Subhas Institute of Technology, New Delhi. He is associated with the global Fablab network and is a faculty member at the Fab Academy. Gadre is the author of several professional articles and three books. Nehul Malhotra is a final-year undergraduate student in the Division of Electronics and Communication Engineering at the Netaji Subhas Institute of Technology, New Delhi. He is also the CEO of the startup LearnMicros.