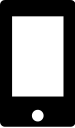
BINOY T V

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[**https://github.com/binoytv9**](https://github.com/binoytv9/)

**SUMMARY**

**Electronics Engineer** passionate about Programming. Currently learning **C**, **Python**, etc by reading books, writing code and participating in MOOC’s. Looking forward to work with a team of enthusiastic programmers preferably on Linux/Open Source based technologies.

**Education**

Government Engineering College, Palakkad, Kerala

B.Tech in Electronics and Communication Engineering,

2010 – 14 Batch

**Technical Skills**

Languages : **C**, **Python**, Exposure to JavaScript, Lisp(Scheme), Haskell

Operating

Systems : **Linux**, Windows

Version

control : **Git**

**ONLINE COURSES**

* Participated in “**MITx 6.00.1x Introduction To Computer Science and Programming Using Python” from MITx (Edx)**”. The objective of the course was to teach basic ideas of computer science and software engineering using Python programming language. It was a nice opportunity to learn Python together with some computer science aspects from one of the best universities in the world.
  + Certificate: <http://goo.gl/nirlmA>

**LEARNING ACTIVITIES**

* Implemented simple **UNIX commands** in C
  + <https://github.com/binoytv9/implementation-of-simple-unix-commands>
* Introduction to **XML**
  + <https://github.com/binoytv9/eXtensible-Markup-Language-intro>
* Implemented some examples of “**The Little Book Of Semaphores**” by Allen B Downey in C using pthread and semaphore
  + <https://github.com/binoytv9/the-little-book-of-semaphores-by-Allen-B-Downey>
* Introduction to Linux **Threads**
  + <https://github.com/binoytv9/linux-threads>
* Experimented with **ptrace** system call
  + <https://github.com/binoytv9/experimenting-with-ptrace-system-call>
* Unix **Inter Process Communication**
  + <https://github.com/binoytv9/Unix-Inter-Process-Communication>
* A simple **full duplex chat program** using the **select** system call in C
  + <https://github.com/binoytv9/chat-using-select-system-call>
* A simple **half duplex chat program** using UDP in C
  + <https://github.com/binoytv9/simple-udp-chat-program>
* A simple **HTTP server** in C
  + <https://github.com/binoytv9/simple-http-server>
* **Network Programming basics**:Client-Server communication using UDP and TCP
  + <https://github.com/binoytv9/Network-Programming>
* Implemented a toy **Unix shell** using C and Python
  + <https://github.com/binoytv9/a-simple-Unix-Shell>
* Read parts of the book “**The Linux Programming Interface**” by Michael Kerrisk and worked out its examples and exercises
  + <https://github.com/binoytv9/The-Linux-Programming-Interface-by-Michael-Kerrisk>
* Implemented a simple **logic circuit simulation** (Part [One](http://www.openbookproject.net/courses/python4fun/logic.html) & [Two](http://www.openbookproject.net/courses/python4fun/logic2.html)) program in C and JavaScript
  + <https://github.com/binoytv9/Logic-Circuits-in-C>
  + <https://github.com/binoytv9/Logic-Circuits-in-javaScript>
* Read the book “**Eloquent JavaScript**” by Marijn Haverbeke and worked out its examples and exercises
  + <https://github.com/binoytv9/eloquent-javascript>
* Read “**Dive into Python**” and solved its examples and exercises
  + <https://github.com/binoytv9/dive-into-python>
* Studied Python code for **Lisp Interpreter by Peter Norvig** ([link](http://norvig.com/lispy.html)) and converted it into C
  + <https://github.com/binoytv9/lisp-interpreter-in-c>
* Studied **Scheme** from "**Structure and Interpretation of Computer Programs**"
  + <https://github.com/binoytv9/sicp-solutions>
* Read “**Think Python**” and solved its examples and exercises
  + <https://github.com/binoytv9/Think-Python-by-Allen-B-Downey--Exercises>
* Worked out the exercises and sample code provided in the “**Google’s Python Class**”
  + <https://github.com/binoytv9/google-python-exercises>
* Studied the book "**Problem Solving with Algorithms and Data Structures**” and solved its exercises
  + <https://github.com/binoytv9/problem-solving-with-algorithms-and-data-structures>
* Studied the Python code for **Huffman Data Compression (**[link](http://www.openbookproject.net/py4fun/huffman/huffman.html)**)** and converted it into C
  + <https://github.com/binoytv9/huffman-data-compression-in-c>
* Studied the Python code for “**Water bucket problem**” ([link](http://www.openbookproject.net/py4fun/buckets/buckets.html)) and converted it into C
  + <https://github.com/binoytv9/water-bucket-problems-in-c>
* Converted the “**Log Puzzle**” exercise in Google’s Python Class into C
  + <https://github.com/binoytv9/log-puzzle-in-c>
* Read the “**Python Practice Book**” ([link](http://anandology.com/python-practice-book)) and solved its exercises
  + <https://github.com/binoytv9/python-anandology>
* Solved the **Stanford CS library linked list** (doc [#103](http://cslibrary.stanford.edu/103) & [#105](http://cslibrary.stanford.edu/105)) problems in C
  + <https://github.com/binoytv9/linked-list-cslibrary.stanford.edu-doc-103-and-105>
* Solved the **Stanford CS library Binary Tree** (doc [#110](http://cslibrary.stanford.edu/110)) exercises in both C and Python
  + <https://github.com/binoytv9/binary-trees-cslibrary.stanford.edu-doc-110>
  + <https://github.com/binoytv9/binary-trees-cslibrary.stanford.edu-110-in-python>
* Worked out the sample code and the solved the exercises in **K&R**
  + <https://github.com/binoytv9/the-c-programming-language-Ritchie-Kernighan>