

BINOY T V

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🐙 <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 – 2014 Batch

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

Operating Systems : Linux, Windows

Version control : Git

ONLINE COURSES

Participating in “MITx 6.00.1x Introduction To Computer Science and Programming Using Python” from MITx (Edx). The objective of the course is to teach basic ideas of computer science and software engineering using python programming language. It is a nice opportunity to learn Python together with some computer science aspects from one of the best universities in the world.

Participated in “FP101x Introduction to Functional Programming” from DelftX (Edx). The course uses the Haskell programming language to teach FP fundamentals.

LEARNING ACTIVITIES

- 🔧 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 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 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 eBook "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 and converted it into C
<https://github.com/binoytv9/huffman-data-compression-in-c>
- ✚ Studied the Python code for “Water bucket problem” 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” (<http://anandology.com/python-practice-book/>) and solved its exercises
<https://github.com/binoytv9/python-anandology>

- ✚ Solved the Stanford CS library linked list problems (<http://cslibrary.stanford.edu/103>, <http://cslibrary.stanford.edu/105/>) in C
<https://github.com/binoytv9/linked-list-cslibrary.stanford.edu-doc-103-and-105>
- ✚ Solved the Stanford CS library Binary Tree exercises (<http://cslibrary.stanford.edu/110>) 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>