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 - 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 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.

LEARNING ACTIVITIES

- 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

- Experimenting 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** 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