BINOY T V

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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

- MITx 6.00.1x **Introduction To Computer Science and Programming Using Python** from MITx (Edx)

LEARNING ACTIVITIES

- Implemented simple **UNIX commands** in C
- Introduction to **XML**
- Implemented some examples of "**The Little Book Of Semaphores**" by Allen B Downey in C using pthread and semaphore
- Introduction to Linux **threads**
- Experimenting with **ptrace** system call
- Unix **Inter Process Communication**
- A simple **full duplex chat program** using the **select** system call in C

- A simple **half duplex chat program** using UDP in C
- A simple **HTTP server** in C
- **Network Programming basics**. Client-Server communication using UDP and TCP.
- Implemented a toy **Unix shell** using C and Python
- Read parts of the book **"The Linux Programming Interface"** by Michael Kerrisk and worked out its examples and exercises
- Implemented a simple **logic circuit simulation** program in C and JavaScript
- Read the book **"Eloquent JavaScript"** by Marijn Haverbeke and worked out its examples and exercises
- Read **"Dive into Python"** and solved its examples and exercises
- Studied Python code for **Lisp interpreter** by Peter Norvig and converted it into C
- Studied **Scheme** from "**Structure and Interpretation of Computer Programs**"
- Read **"Think Python"** and solved its examples and exercises
- Worked out the exercises and sample code provided in the **"Google's Python Class"**
- Studied the eBook "**Problem Solving with Algorithms and Data Structures**" and solved its exercises
- Studied the Python code for **Huffman Data Compression** and converted it into C
- Studied the Python code for **"Water bucket problem"** and converted it into C
- Converted the **"Log Puzzle"** exercise in Google's Python Class into C
- Read the **"Python Practice Book"** (http://anandology.com/python-practice-book/) and solved its exercises
- Solved the **Stanford CS library linked list** problems (http://cslibrary.stanford.edu/103, http://cslibrary.stanford.edu/105/) in C
- Solved the **Stanford CS library Binary Tree** exercises (http://cslibrary.stanford.edu/110) in both C and Python
- Worked out the sample code and the solved the exercises in **K&R**