NEERAJ R

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Code Repository :https://bitbucket.org/neeraj_r

Education:

Bachelor of Technology in Computer Science and Engineering. From Govt Engineering College , Sreekrishnapuram, Palakkad ,Kerala. 2007-2011(Total marks: 64%).
12th- 94.5%, 2006
10th- 92.3%, 2004

Technical skills:

Programming Languages	: C,Python.
Operating systems	: Exposure to basics of GNU/Linux systems
Tools	: Revision control with Mercurial..
Technologies	: Google AppEngine

PROJECTS :-

1) **Temporal based encoding schema for crosstalk minimization in Interconnects.**

Abstract :- This project proposes extensive study of interconnect modeling and analysis of existing methods for Crosstalk minimization in interconnects. The project also proposes a temporal based novel method for crosstalk minimization and development of Integrated Analysis Environment (IAE) for implementing the crosstalk minimization methods.

2) **Scheduling of grid applications.**

Abstract :- Scheduling grid applications based on Software power estimation and optimization using dynamic instrumentation technique and performance analyzer.

- Programming Langauge : C
- Grid : Globus toolkit

(Code on bitbucket : https://bitbucket.org/neeraj_r/main_project-codes)

Hobby projects :

1)**Implementation of the trie datastructure**.

A Trie datastructure was implemented in C.(Code on bitbucket : https://bitbucket.org/neeraj_r/data-structures/changeset/38cd5d34915c)

2)AVL tree implementation in C.

An AVL tree datastructure was implemented in C. (Code on bitbucket: https://bitbucket.org/neeraj_r/data-structures/changeset/2adb14b6ffa5)

3)Bit Vector Set implementation.

Bit vector set was implemented in C.(Code on bitbucket : https://bitbucket.org/neeraj_r/miscellaneous/changeset/2dbce89338f1)

4)Simulator for a toy computer.

A simulator for a toy nicroprocessor was created in C. (Code on bitbucket : https://bitbucket.org/neeraj_r/mythical-machine-simulator)

5)Assembler for a toy computer.

An assembler for a toy computer was created in C. (Code on bitbucket : https://bitbucket.org/neeraj_r/mythical-machine-assembler)

6)A Google App Engine Based URL Shortener.

A simple webapp was developed in python using Google App Engine/python to shorten URL's. (Code on bitbucket: https://bitbucket.org/neeraj_r/url-shortner)