NEERAJ R

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

EDUCATION

Class	Board/ University	Marks
B. Tech., Computer Science Engineering (2011)	University of Calicut	63.40
XII th (2006)	Kerala Board	94.50
X th (2004)	Kerala Board	92.30

TECHNICAL SKILLS

Programming Languages	C, Python.
Operating Systems	Exposure to basics of GNU/Linux systems
Tools	Revision control with mercurial.
Technologies	Google appEngine.

PROJECTS

Scheduling of grid applications.

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

- Programming language   : C
- Grid   : Globus toolkit

Codes on bitbucket   : https://bitbucket.org/neeraj_r/main_project-codes/changeset/9e3afe0aff38

Temporal based encoding schema for crosstalk minimization in Interconnects.

 Abstract :-The 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.

SEMINAR

3-D Packaging Technology: *3-D die stacking is an exciting new technology that increases transistor density by vertically integrating two or more die with a dense, high-speed interface. The result of 3D die stacking is a significant reduction of interconnect both within a die and across dies in a system.*

HOBBY PROJECTS

1) Implementation of a simulator for toy computer : Implemented a simulator for a toy microprocessor in C. (Code on bitbucket : https://bitbucket.org/neeraj_r/mythical-machine-simulator/changeset/7c808e600ed9).

2) Implementation of an assembler for a toy computer : Implemented an assembler for a toy computer in C. (Code on bitbucket : https://bitbucket.org/neeraj_r/mythical-machine-assembler/changeset/a5cd1e8b9f9c).

3) Implementation of trie data structure : A trie data structure was implemented in C. (Code on bitbucket : https://bitbucket.org/neeraj_r/data-structures/changeset/38cd5d34915c).

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

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

6) A Google app engine based Url Shortener : A simple web-app was developed in python using Google App Engine/python to shorten URL's. (Code on bitbucket : https://bitbucket.org/neeraj_r/url-shortner/changeset/dc89696b72b5). My application : http://nrjurlshort.appspot.com/.

ACHIEVEMENTS

Academic
- Qualified Gate 2012 with 92.93 percentile.
- Mini project Paper named "Analysis of On-chip Interconnect Delay for 65nm and beyond"selected for ICRIT (International Conference on Recent Innovations in Technology) 2011, held on Feb 10-12 at RIT Kottayam, Kerala.
- Got A grade and scholarship of USS of Kerala Government Education Department.
- School topper in the XII th standard.

Non-academic

- Won First A grade in Kathakali Group in 43rd Kerala State Schools Youth Festival 2002-2003.

- Won A grade in Kathakali Group in Eighth Higher Secondary State Youth Festival 2004-2005.

- Won Second prize in Science Quiz in District level conducted by District Science club Association on 15-10-2003.

- Got A grade in Balashasthra Congress in District level conducted by Kerala Shastrasahithya Parishath.

- Won First prize in Teaching Aids Making in Ottappalam Educational District Work Experience Exhibition on 1997-1998, 1998-1999, and third prize on 2000-2001.

Reference : Dr. P.C Reghu Raj
Department of CSE
GEC Sreekrishnapuram
Mail: pcreghu@gmail.com

DECLARATION

I hereby declare that all the above furnished information are true and correct to best of my knowledge.

Place:

Date: Neeraj.R