23rd December 2017

Mit Naria

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EDUCATION

DHIRUBHAI AMBANI INSTITUTE OF INFORMATION AND COMMUNICATION TECHNOLOGY (DAIICT)

B.Tech in ICT with minor in Computational Science
Gandhinagar, India
Apr, 2018
Cum. GPA: 7.89 / 10

SMT. V. D. DESAI (WADIWALA) SCHOOL

Higher Secondary Education
Surat, India
Board: GHSEB | 2012-2014
12th Percentage: 94 %
10th Percentage: 93.6 %

COURSEWORK

UNDERGRADUATE

Operating Systems
System and Network Security
Database Management Systems
Computer Networks
Security Protocols
High Performance Computing
Software Engineering
Automata Theory
Data Structures and Algorithms
System Softwares
Data Analysis and Visualization
Object Oriented Programming

SKILLS

PROGRAMMING

Intermediate:
• Java • C
Begineer:
• Matlab • Assembly • LaTeX
Familiar:
• Python • SQL • C++ • R • Shell

LIBRARIES & TOOLS & APIS & FRAMEWORKS

• OpenMP • MPI • PostgreSQL

PROJECTS

MONOKAI-POLISHED THEME FOR VSCODE EDITOR

Mar 2017 - Current |
Created & published a theme based on monokai theme for Visual Studio Code which contains several enhancements over default theme for better visualization.

SAMPLE SORT

Oct 2016 - Nov 2016 |
Implemented a parallel sorting algorithm using MPI protocol which sorted 2 billion 64-bit integers in just 105 seconds on Intel Xeon E5-2650.

COMPLETELY FAIR SCHEDULER

Mar 2017
CFS is default scheduling algorithm in Linux kernel v2.6.23+. I implemented it as part of Operating System course at DAIICT.

PARALLEL UNION FIND ALGORITHM

Oct 2016 - Nov 2016 |
My team implemented an Union Find algorithm using OpenMP API to harness power of parallel computing as part of Student Parallel Programming challenge held by HiPC, India.

PARALLEL IMAGE PROCESSING

Sep 2016 |
Implemented & analyzed parallel version of standard Image Wrapping algorithm using C and OpenMP library.

DYNAMIC MEMORY ALLOCATOR

Mar 2016
Implemented a custom memory allocator as part of System Software course at DAIICT.

TINY SHELL

Feb 2016
Built a tiny shell with features such as job control and I/O redirection.

RESEARCH

DAIICT COMPUTATIONAL SCIENCE AND HIGH PERFORMANCE COMPUTING RESEARCH GROUP | Undergrad Research

May 2017 - Jun 2017 | Guide: Prof. Bhaskar Chaudhury
Implemented & extended computer model used for analysing Plasma-air breakdown. Previous model was a nano-scale model, I extended it to incorporate features of micro-scale model using C and OpenMP.

AWARDS

2016 HiPC Student Parallel Programming challenge phase 1 finalists.
2014 Recipient of Merit-Cum-Means scholarship awarded by DAIICT.
2014 Rank-wise 6 in DAIICT according to AIR.
2014 AIR 11520 in JEE (Advanced) 2014.
2014 Selected for CM scholarship awarded by state of Gujarat.
2014 AIR 2162 in JEE (Main) 2014.