Rampelli Charan Kumar

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EDUCATION

Indian Institute of Information Technology, Design and Manufacturing Kancheepuram, Chennai
Dual Degree in Computer Science Engineering - CGPA - 7.95/10* *Aug. 2019 – present*

SR Junior College Hanamkonda,T.S.
Intermediate - Percentage : 94.7/100 *June 2017 - April 2019*

Krishnaveni Talent School Manthani, T.S
IV to X - Grade : 9.5/10 *June 2010 - April 2017*

PROJECTS

Color Predicting Game | *Front-end web development*
- Created Front-end web development game of rgb color prediction using HTML,CSS,Bootstrap and Javascript.
- Random colors are generated and random rgb value is shown, users will predict the shown rgb value to finish the game.
- Developed the game in 3 stages of difficulties: easy, medium and hard.

MPI programming of KMP algorithm | *High Performance Computing*
- Checking whether a pattern string is a substring of a text string (DNA Sequence) ,using KMP string Matching Algorithm.
- Created cluster of Virtual Machines.
- Divided the hotpots of code and passed them in virtual machines using MPI for parallel computation.

VLIW Processor | *Computer Architecture*
- Exploited instruction-level parallelism offered by VLIW processor in python.
- The code checks the data dependencies and availability of functional units and passes each instruction accordingly.

Chess Board in Opengl | *Interactive Computer Graphics*
- Developed an interactive chess board using OpenGL.
- Players can translate chess pieces which makes it interactive.
- Each move is checked for correctness before being made.

Water Marking | *Digital Image Processing*
- Added a symbol of owner authenticity (watermark) to the image .
- The date-time when they have printed or sent the image was watermarked on image using OpenCV in python.

COURSES

High Performance Computing

Computer Architecture

Computer Organisation and Design

Pattern Recognition

Digital Image Processing

Analytics and Systems of Big Data

TECHNICAL SKILLS

Languages: Python, C/C++, JavaScript, HTML,CSS

Libraries: Flask, Pandas, NumPy, Matplotlib,Seaborn

POSITIONS OF RESPONSIBILITY

Placement cell coordinator

Actively volunteered for our institute's 10th Convocation