NISHANT GARG

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ACADEMIC DETAILS

Year	Degree / Exam	Institute	GPA/Marks(%)
---	B.Tech in Computer Science & Engineering	Vellore Institute Of Technology(VIT)	8.7
2017	CBSE	Springdales School	90.6 %
2014	CBSE	Springdales School	9.2

COURSES DONE

Data Structures and Algorithms, Digital Logic and Design, Computer Architecture and Organization, Network and Communication software engineering, Theory of Computation and Compiler Design, Operating Systems, Microprocessor and Interfacing, Discrete Mathematics and Graph Theory, Applications of Differential and Difference Equations, Ethics and values, Modern Physics, Object Oriented Programming in C++

SCHOLASTIC ACHIEVEMENTS

- ✓ NIIT certifications for C and C++ language.
- ✓ 186th rank at HackerRank platform in Data Structures.
- ✓ Coding Blocks for data structure and algorithms.
- ✓ Codeathon certificate
- ✓ Online Certification courses(from www.saylor.org) of theory of computation and Compiler Design , operating systems and Computer architecture

PROJECTS

Traffic sign recognition on Indian roads

Built a Traffic sign recognition program implemented in Matlab using convolutional neural network for computer systems, however, classifying traffic signs still seems to a challenging pattern recognition problem so had taken a sample of 20 road traffic signals. Both image processing and machine learning algorithms are continuously refined to improve on this task.

CARGO LOADING WITH PRIORITIES

Implemented a code based on an algorithm very close to the David Pisinger packing algorithm. The algorithm prioritises the priority for the arrangement in a greedy way. The layer building approach has been adopted, and the rule applied for choosing layer depth is maximum space occupation along y axis.

SHOPPING STORE MANAGEMENT MASTER

Shopping Store Management implemented using C++, for a managing goods in a store. It provides facility for its administrator to log his products and the visiting customer can buy the available products. Passwords are set for admin use to add items in repository.

COLOUR GAME

Built a game based on knowledge of rgb() format , the game gives three values of R,G and B values it has easy that is displays three boxes and for hard levels it shows six boxes and user has to choose the best box which could be based on these RGB values for all kinds of users .

YOUTUBE SEARCH ENGINE

Built a YouTube search engine using YouTube API, fancy box js and jQuery. It is used in a way that if we try to search anything it searches similar way as that of YouTube.

TECHNICAL SKILLS

Languages: C, C++, Python, HTML, CSS, PHP, Shell and Bash, Java, Microcontroller Programming
Software's & Frameworks: - Git, Eclipse, NetBeans, MATLAB, MS Office