



Srinivas Vaidya

Education

- 2013–2015 **Masters of Information Technology**, *IIIT Bangalore*.
- 2012 **Bachelor of Engineering**, *K S Institute of Technology*, Vishvesharaya Technological University, Bangalore.
- 2008 **II PUC**, *Jyothi Kendriya Vidhyalaya PU Composite College*, Bangalore.
- 2008 **Class 10**, *Dayananda Sagar International School*, Indian Certificate of Secondary Education (ICSE) Board, Bangalore.

Project

Title **CopyDog - Software Plagiarism Checker Tool**

Supervisor Professor Srinivasaraghavan

Description Implemented augmented Suffix Tree data structure for checking the plagiarism in the codes submitted to various professors at IIITB. Given a set of programming assignments, this implementation checks for the plagiarism among all the files and generates a detailed report of the copied code along with the file names.

Technology Implemented in C++, Python and Qt.

Github <http://git.io/adISQw>

Title **Interactive Mesh subdivision**

Supervisor Professor Srikanth T K

Description Implemented an interactive program that allows the editing and rendering of a mesh surface. The surface is refined through successive subdivision using a loops subdivision scheme. User will be able to edit the shape of the surface by dragging "control points" of the surface.

Technology Implemented in C++ using OpenGL libraries.

Github <https://github.com/srinivasrvidya/Interactive-mesh-subdivision>

Youtube <http://youtu.be/nHePQI5oMqs>

Title	Dail-a-Ride: Schedule the cabs to maximize revenue.
Supervisor	Professor Muralidhara
Description	Implemented an approximate solution for optimal scheduling of cabs based on customer requests to maximize the profit. It's a public transport system with flexible routing and scheduling of small vehicles operating in shared-ride mode.
Technology	Implemented in Python.
Title	Access Control List(ACL) Editor.
Supervisor	Professor JayPrakash LalChandani
Description	ACL Editor for POSIX compliant operating systems. Given a file or a folder, the ACL editor represents the file permissions and the ownership of the file. If the owner has the proper rights he can change the file permissions through the GUI which will also give him the command line representation of the user actions to change the access rights.
Technology	Implemented in Java, NIO.2 packages, Shell scripting.

--- Hobby Project

Title	Gem - Puzzle
Description	Developed an AI Player for sliding puzzle that consists of a frame of numbered square tiles in random order with one tile missing. The object of the puzzle is to place the tiles in order by making sliding moves that use the empty space.
Technology	Implemented in C using graphics.h library.
Github	https://github.com/srinivasrvidya/Gem-Puzzle
Youtube	http://youtu.be/9gIMICfb70g
Title	Chess 2-Player
Description	Developed a 2D Chess board which facilitates illegal move detection, Check, Castling and Checkmate functions.
Technology	Implemented in C using graphics.h library.
Github	https://github.com/srinivasrvidya/Chess
Youtube	http://youtu.be/ZE_H0fT-Q6g
Title	The Destination
Description	The User block has to be taken to its DESTINATION from START, facing obstacles in its path. Using array keys for movement of user Block, the user block should not touch, intersect other blocks in the game.
Technology	Implemented in C using graphics.h library.
Github	https://github.com/srinivasrvidya/The-Destination
Youtube	http://youtu.be/T6FXCWaTMUlg

Technical skills

5000+ LoC C, C++
2000+ LoC Python, OpenGL, Core Java , \LaTeX
Familiar GLSL, HTML, openMP, MATLAB, Version control.

Course Work

1st semester Data Structures and Algorithm, Operating System, Computer Network, DBMS, software engineering
2st semester Advanced Algorithm, Computer Graphics, Introduction to Scientific computing, Theory of computation
3st semester Advanced Computer Graphics, Machine learning, Geoinformation system.
(Current)

Links

Linkedin <https://www.linkedin.com/in/srinivasrvaiddya>
Github <https://github.com/srinivasrvaiddya>
Youtube <https://www.youtube.com/user/vaidyasrinivas>
Twitter <https://twitter.com/srinivasrvaiddya>

Honors and Awards

July 2013 99.3 percentile in GATE 2013
2007 Computer science Topper
2004-2006 Times of India School Reporter
2005 School Athletic Champion