

# Srisumanth Yenikapati

## Curriculum Vitae

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### Education

- 2016–2021 **Integrated M.Tech**, Department of Computer Science, International Institute Of Information and Technology Bangalore, India CGPA 3.45/4.0.
- 2016 **Intermediate**, Sri Chaitanya Junior Kalasala, Hyderabad, India 96.7%.
- 2014 **Matriculation**, Pratibha Vidya Niketan High School, Hyderabad, India CGPA 9.8/10.0.

### Course Projects

#### January 2018 **Computer Graphics**

This application is built using c++ and OpenGL 3.0 using the MVC framework. It includes reading a 'ply' file and rendering different geometrical objects and applying different types of textures to these objects. A scene graph is built to manage these objects. The animation can be varied using interactive controls

#### January 2019 **Code Quality Analyzer**

This is a python application. It Generates an abstract syntax tree(AST), with which the quality of the given C++ code is analyzed and evaluated based on three quality measures which are Cyclomatic Complexity, Maintainability Index and Entropy.

#### August 2019 **Land cover classification**

This application is built using GRASS GIS application and python. We performed semantic segmentation to identify different classes like roads, green cover, buildings, barren land, water in the satellite images using Deep neural networks.

### Technical Skills

C++, C, PYTHON, JAVASCRIPT, HTML, JAVA, BLENDER, MYSQL, LATEX  
OPENGL 3.0, OPENGL 1.0, SCIKIT LEARN, GRASS GIS

### Coursework

- Major Core Courses Programming languages courses - C, C++, Java, Python. Computer Networks, Data Structures and algorithms, Discrete Mathematics, Computer Architecture, Design and Analysis of Algorithms, Database Systems, Introduction to Automata Theory and Compatibility, Software Engineering, Operating System, Programming Languages
- Elective Courses Machine Learning, Maths for Machine Learning, Visual Recognition, Automatic Speech Recognition, Computer Graphics, Geographic Information Systems

### Awards

- 2017 Received Huawei Merit Scholarship