

Sricharan Chiruvolu

Amrita School of Engineering, Bangalore, IN | +91 9035 886166 | sricharanized@gmail.com

Education

BACHELOR OF TECHNOLOGY | AMRITA VISHWA VIDYAPEETHAM, BANGALORE, IN | 2012-2016

- **Major:** Computer Science and Engineering
- **Current CGPA:** 8.71 / 10.00

CLASS 12 | NRI JUNIOR COLLEGE, HYDERABAD, IN | 2012

- **Major:** Physics, Chemistry and Mathematics
- **Percentage:** 92%

CLASS 10 | KENDRIYA VIDYALAYA, HYDERABAD, IN | 2010

- **Percentage:** 9.60 / 10.00

Experience

CONTRACT SOFTWARE DEVELOPER, GOOGLE INC.

SUMMER 2015

- **Organization:** Copyleft Games
- Has been accepted to participate in the Google Summer of Code™ 2015 program. The program is administered by Google Inc. Mountain View, CA. Assigned to write open source software for Copyleft Games for a period of 3 months.
- **Assigned mentors:** Arc Riley, Dariel Kremov, Mayank Singh
- **Abstract:** The goal of this project is to improve the lighting system of Pysoy, with support for Point, directional, spot and ambient lights. The project also aims to implement an optimized shadow mapping mechanism with an option to toggle it. Shadows for room scene is handled separately.

Skills

- C++, Python, Java, OpenGL, GLSL, C, Linux, SQL, Git/ Mercurial, CMake/ GNU-Make, Adobe Photoshop/ Illustrator.
- Knowledge on website design and development, Free and Open Source Software (FOSS) and Algorithms.
- Hands-on software development knowledge

Notable Projects

RAYBOX

JAN 2015

Raybox is an image synthesis system based on ray-tracing which includes reflections, refractions, soft shadows and depth of field.

CLUBBOX

NOV 2014

Developed a python based club management system where club in charges and faculty can interact with the club executives and organized events effectively.

SCREAMBOX

MAY 2014

Developed a blogging website using Django Framework where users can blog, follow others send personal messages and interact. Hosted at <http://sricharan.herokuapp.com/>.

CLASSBOX

PRESENT

- A complete productivity suite for schools and colleges to interact effectively. Features include an interactive drawing board, chat rooms, dedicated forums, quiz generation and analytics, push notifications e.t.c. A companion android application is also under development.

Certifications / In-plant training

- J2SE certification from Aptech India Ltd during summer 2014.
- In-plant training at HCL Technologies during winter 2013. Gained industrial exposure of software development. Attended workshops on Android application development, PC hardware e.t.c.

Affiliations

- **Forum for Aspiring Computer Engineers (FACE)** – Acted as an executive member/ office bearer of FACE, the computer science forum of Amrita School of Engineering, Bangalore. Helped in organizing many events, seminars and workshops aimed at imparting knowledge in the field of computer science and technology.

Magazine Publications

- **Generating Graphics with OpenGL** - An introductory article on computer graphics was published in the July - 2015 issue of *Open Source for You (OSFY)*. OSFY is the Asia's first publication on free and open source software.
- **Students and FOSS** - An article depicting various programs and opportunities available for students in free software world was published in OSFY magazine.
- **Source code management using Git** - An introductory article on version controlling and code management was published in *Sanchita* - 15. *Sanchita* is an annual publication on Amrita School of Engineering, Bangalore.

Additional Information

- **Date of Birth:** 12th Oct 1994
- **Linguistic Proficiency:** English, Hindi and Telugu
- **Hobbies:** Reading manga, watching Anime and sitcoms.

External Links

- **Resume:** <http://sricharanized.github.io/assets/resume.pdf>
- **Website:** <http://sricharanized.github.io>
- **Github:** <http://github.com/sricharanized/>