

Sricharan Chiruvolu

<http://sricharan.xyz> - mail@sricharan.xyz - (+91) 9035 886166

Education

B.Tech, Computer Science and Engineering 2012-16
Amrita School of Engineering, Bengaluru, IN.
CGPA (upto 6th semester): 8.71/ 10.00

Class 12, AP-IPE 2010-12
NRI Junior College, Hyderabad, IN.
Percentage: 91.8%

Class 10, CBSE 2010
Kendriya Vidyalaya, Hyderabad, IN.
CGPA: 9.60/ 10.00

Projects and Internships

Research Intern, RoadRunnr
– Ongoing –

Google Summer of Code
Accepted for GSoC program. Assigned to write open-source code in association with Google Inc. The goal of this project was to improve the lighting system, with support for Point, directional, spot and ambient lights. The project was also aimed to implement an optimized shadow mapping mechanism(CSM based) with an option to toggle it based on the GPU system used.

Distributed GA for Pharmacogenomic applications
A bioinformatics research project on parallel Genetic Algorithms implemented on GPGPUs for pharmaco-genomic applications.

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

ClassBox
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.

Other hobby projects
A few hobby projects on various aspects of computer science and engineering are hosted at <http://github.com/sricharanized>.

Technical Skills

Operating System: Various Flavours of GNU/Linux
Programming Languages: Python, C++, Javascript, C and Java
Dev Tools: emacs, vim, gdb, git, mercurial, bash
Frameworks and Libraries: OpenGL/ GLSL, Django, AngularJS, MeteorJS

Achievements

Honorable mention (team) - ACM-ICPC Asia Amritapuri regionals 2015
Honorable mention (team) - ACM-ICPC Asia Chennai regionals 2015
Executive member/ Office Bearer - Forum for Aspiring Computer Engineers, 2014-15
Finalist (team) - InCTF (India's largest capture the flag style ethical hacking challenge), 2015

Event Head - Appalanche (An 8 hour Hackathon), Ekatva - 2015

Executive member/ Office Bearer - GNU/ UNIX User Group, Bangalore Chapter - 2015

Magazine Publications

“Open-Source Licensing Guide,” *Open Source for You*, Nov. 2015

“Getting Started with Dart,” *Open Source for You*, Oct. 2015

“How students can contribute to FOSS,” *Open Source for You*, Aug. 2015

“Generating Graphics with OpenGL,” *Open Source for You*, July. 2015

Other Information

Github: <http://github.com/sricharanized>

Date of Birth: 12th October 1994

Linguistic Proficiency: English, Hindi and Telugu

Hobbies: Reading Manga, Watching Anime and Sitcoms