

Technical Experience

Runnr, Bangalore, India.

- **Software Engineer** (July 2016 - till date) - **Technology Intern (Jan 2016 - June 2016)**
 - Currently working with Consumer Application Backend team, improving the core API and the web application by implementing new features and solving current problems.
 - Was a part of B2B Supply team; developed features for the driver application and its backend services. Features such as:
 - Smart Suggest system - Informing the Driver to move to a certain locality/area. A driver view was built to highlight clusters (localities) around having high demand supply gap as well as a list of 3-4 landmark in the cluster where demand is expected to be high in next 30-60 minutes. The service had different endpoints serving the driver and the support/operation teams.
 - Driver Navigation and touch point improvement - Included multiple features to increase in driver efficiency which drives better economics perception hence lesser attrition / easier onboarding of drivers. Features included delayed dispatch of drivers to merchants, cross locality order delivery by driver e.t.c.
 - Driver Reassignment - A system for reassigning delivery drivers in a live trip if the driver refused to reach the merchant to pick up the order.

Google, Summer of Code.

- **Contract (student) Developer** (April 2015 - Aug 2015). Worked with copyleft games to provide lighting and shadow rendering models for pysoy module.
- Generated a lighting system, added support for point, directional, spot and ambient lights; Implemented an optimized shadow mapping mechanism (CSM); Added option to toggle shadows based on GPU system used to render.

Academics

Amrita School of Engineering (B.Tech)

Bengaluru, KA

Fall 2012 - May 2016

Computer Science and Engineering

Graduation: May 2016

G.P.A. 8.68

- **Graduated with First class/ Distinction.** Based on academic and all round performance.
- **Undergraduate Coursework:** Data Structures and Algorithms; Operating Systems; Computer Graphics; Automata theory; Computer Networks; Databases; Software Engineering; Data mining and Data Warehousing;

NRI Academy - Hyderabad (Class 12: 91.6%)

Fall 2010-May 2012

Kendriya Vidyalaya - Hyderabad (Class 10: 9.60/ 10.00)

Fall 2010-May 2012

Selected Projects

- **Calory** (2016). A Facebook messenger based health assistant. Takes care of daily calorie intake, schedules water intake, recognises and recommends food based on an image. Special mentioned at Sequoia::Hack 2016.
- **Distributed GA for Pharmacogenomic applications** (2015). A bioinformatics research project on parallel Genetic Algorithms implemented on GPGPUs for pharmaco-genomics on drug and tissue data.
- **Light modelling and shadow maps** (2015). Generated a lighting system, added support for point, directional, spot and ambient lights; Implemented an optimized shadow mapping mechanism (CSM); Added option to toggle shadows based on GPU system used to render.

- **EyeTrakr** (2015). Eye tracking using EyeTribe™ for heatmap overlay generation to present advertisement analytics for webpages.
- **Raybox** (2014): An image synthesis system based on ray-tracing which includes reflections, refractions, soft shadows and depth of field.
- **Classbox** (2014). 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.

Achievements

- Accepted for **Google Summer of Code**. Mentored students at Google Code-In. Worked as a contract developer for Google Inc.
- Honorable Mention (Team) - **ACM ICPC** Asia Amritapuri Regionals '15.
- Executive member/ office bearer - **Forum for Aspiring Computer Engineers** (FACE) - 2014-15.
- Finalist (team) - **InCTF** (India's largest student CTF) 2015.
- Executive member/ office bearer - **GNU/ Linux User Group**, Bangalore Chapter - 2013-15.
- Participated at various hackathons. Special mentioned at sequoia::hack'15 and angelhack'15.

Magazine Publications

- **"Using open source to secure, backup and manage your Windows network"**, Open Source for You, June. 2016.
- **"Build Applications with Hack and HHVM"**, Open Source for You, Feb, 2016.
- **"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.

Technical Skills

- Ruby; C++; Java; Python; Shell Script (bash); JS; C; HTML; CSS; Jekyll; Genie/ Vala
- Rails; STL; Django; Angular; Android Application Development; Redis; Git; Mercurial; OpenGL / GLSL; LaTeX; MySQL; SQLite;
- Data structures and Algorithms; Databases; Computer Graphics;