

# Sathyanarayanan Gunasekaran

## Resume

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### Education

August 2009 – May 2013 **BE**, College of Engineering, Guindy, Anna University, Chennai, India.  
CGPA 8.38/10.00  
Pursuing a Bachelor of Engineering degree in *Computer Science*.

### Work Experience

May 2012 – July 2012 **Amazon**, *Software Development Engineer Intern*.  
Researched and implemented various optimizing methods to reduce load time and improve the performance of Kindle Cloud Reader by more than 50%.

May 2011 – Aug 2011 **Google Summer of Code**, *Student Contractor*, Google.  
Worked on *Orbot*<sup>1</sup>, the Android port of Tor, to develop a new UI/UX such as a new setup wizard and custom data statistics; and an external library for other third-party apps to route traffic through Tor.  
*Orbot has upwards of 500,000 downloads on the Android market.*

### Open Source Contributions

Feb 2011 – present **Tor Project**, *Developer*.  
I currently research and write tools to gather metrics on various features about the Tor network. One such tool is *Compass*<sup>2</sup>, written in Python, provides various filtering, searching and grouping capabilities on the Tor network and it's relays.

Previously, I worked on implementing features and fixing bugs in -  
○ *Stem*<sup>3</sup> – Stem is a library that provides Python bindings and utilities for using the Tor control port.

### Technical skills

|                          |  |                              |  |
|--------------------------|--|------------------------------|--|
| <b>Operating Systems</b> | Linux, Mac OS X, Windows   | <b>Programming Languages</b> | Python, C/C++, Java, Ruby                  |
| <b>Development Tools</b> | Emacs, TextMate, Eclipse, Android debug bridge, zsh/bash, git, tmux/screen | <b>Web Development</b>       | HTML, CSS, JavaScript, CoffeeScript, MySQL |
| <b>Frameworks</b>        | Backbone.js, Twisted, Cyclone, Rails, Flask                                | <b>Mobile Platforms</b>      | Android                                    |

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## Projects

- **Slyer**

A static HTML site generator written in Python. It currently powers my devlog<sup>4</sup>.

- **TrainTrack**

Train Track is an Android app which lists the train schedules for the *Chennai Mass Rapid Transit System*.

- **Cipollini**

A GUI Tor Controller written using Qt in Python.

- **github-in-a-terminal**

A web app that emulates Github in the form of a command line interface, written using jQuery.

- **Timezone**

A social Facebook app to share your timezone, written using Flask and hosted on Heroku.

## College

- **Spam classifier**

A Spam-filtering prototype written in Python, uses Bayesian classifiers to classify emails as spam. This was further extended to classify emails into separate subtopics as well.

Submitted as part of Semester 5(*Artificial Intelligence*) project.

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## Interests and Hobbies

- I was the secondary mentor for the Google Summer of Code 2012 program under the Tor Project.
- President of the Linux Users Group and member of the ACM Chapter of my university.
- I write code as a hobby and maintain various servers for my IRC channel and personal projects.

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<sup>1</sup><https://gitweb.torproject.org/user/gsathya/orbot.git>

<sup>2</sup><https://compass.torproject.org>

<sup>3</sup><https://gitweb.torproject.org/user/gsathya/stem.git>

<sup>4</sup><http://devlog.gsathya.in>