

# Pranav Ravichandran

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*Application for the role of Software Engineer.*

## Technical Skills

<b>OS</b>	Linux, Windows	<b>Languages</b>	Python, C, C++, Java, JavaScript
<b>Tools</b>	Vim, bash, git, make/cmake, valgrind, Photoshop	<b>Web Dev</b>	HTML5, CSS, AJAX, Flask, jQuery
<b>Frameworks</b>	Qt, Orion, libsndfile, PortAudio	<b>Mobile</b>	Android

## Work Experience

- Apr - Sep 2011 **Google Summer of Code 2011, Student Contractor**, Google.  
Integrated SMARTS, a Game Artificial Intelligence Framework into KDE Gluon, and also implemented a KPart Graphical User Interface to plug the SMARTS Editor into Gluon.

## Open Source Contributions

- Jan 2012 onwards **Mozilla Corporation.**  
◦ Developed a Code Commenting/Uncommenting feature for the Mozilla Firefox Source Editor.  
◦ Implemented a mechanism to hide unused services from the Firefox Preferences UI. Other minor patches.
- July 2012 **PySynth.**  
Created an interactive Command Line Interpreter to parse Musical Notation and render tunes, aiding in on-the-fly notational composition with PySynth, and also implemented support for audio playback.

## Independent Projects

- **PDoS** – <http://music.onloop.net/>  
Patterned Disruption of Silence - An exercise in extrapolating algorithmic patterns to musical notes, with C, libsndfile and PortAudio.
  - **Album.onloop** – <http://album.onloop.net/>  
Music Album search and discovery site, that employs a crawler for Content aggregation, using Python, Flask, jQuery, HTML5, CSS and JSON.
  - **SC-ircle** – <http://soundcloud.onloop.net/>  
A Python/jQuery webapp to find out who among a Soundcloud user's followees aren't following them back. Received good response from the spam-hit Soundcloud user community.
  - **Strand** – <http://devlog.onloop.net/>  
A minimalist Content Publishing System written in Python, with support for CLI blogging.
  - **Interbot**  
A bot that establishes an interface over IRC to run commands on a remote computer's terminal.
  - **Pnoesis**  
Language mapping experiments in C, using regex and lexMap, a self-developed C keymapper.
  - **Post**  
Android app to send custom HTTP POST requests to a server.
- Other projects at <http://github.com/pranavrc/>

## Education

- Aug 2009 - **B.E. Electrical and Electronics.**, Foo University, Foo.  
May 2013 Completed 7 out of 8 Semesters (3/4 years) - CGPA 7.1/10.0.