

# 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**.  
◦ 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 discovery tool and review aggregator, 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, well-received by the spam-hit Soundcloud user community.
- **Strand** – <http://devlog.onloop.net/>  
A minimal Content Publishing System written in Python, with support for CLI blogging.
- **Bookinate** – <http://onloop.net/bookinate/>  
JS App to convert text and HTML content into flip-book format using turn.js.
- **Pnoesis**  
Language mapping experiments in C, using regex and lexMap, a homebrew keymapper in C.
- **Post**  
Android app to send custom HTTP requests to a server.

- These and 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 - CGPA 7.0/10.0.