Pranav Ravichandran

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Objective Placeholder.

Technical Skills

OS	Linux, Windows	**Languages**	Python, C, C++, Java, JavaScript
Tools	Vim, bash, git, make/cmake, valgrind, Photoshop	**Web Dev**	HTML5, CSS, AJAX, Flask, jQuery
Frameworks	Qt, Orion, libsndfile, PortAudio	**Mobile**	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 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 - May 2013 **B.E. Electrical and Electronics.**, *Foo University, Foo*.
Completed 7 out of 8 Semesters - *CGPA* 7.0/10.0.
Academic Project - Electrooculogram based Eye-gesture recognition.