

Pranav Ravichandran

Somewhere
in India.
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Objective, changing with the seasons.

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, SQLAlchemy, 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 - **B.E. Electrical and Electronics.**, St. Joseph's College of Engineering, Anna University.
May 2013 Completed 7 out of 8 Semesters - CGPA 7.0/10.0. (Graduating Spring 2013)
Academic Project - Electrooculogram based Eye-gesture recognition.