

Pranav Ravichandran

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🌐 www.onloop.net

Technical Skills

OS Linux, Windows
Tools Emacs, slime, bash, git, make/cmake, valgrind, Photoshop
Frameworks Qt, Orion, SQLAlchemy, PortAudio

Languages Python, C, C++, Java, JavaScript
Web Dev HTML5, CSS, AJAX, Flask, jQuery
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.
- **QuickHist** – <http://quickhist.onloop.net/>
An URL-based ASCII Histograms API using Common Lisp, Restas and CL-WHO.
- **Suburl** – <http://u.onloop.net/>
A wildcard substitution-based URL Sanitizer/Shortener in Common Lisp.
- **Album.onloop** – <http://album.onloop.net/>
Music Album discovery tool and review aggregator, using Python, Flask and jQuery.
- **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/sample>
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.
- **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.**, *St. Joseph's College of Engineering, Anna University*.
Completed 8 out of 8 Semesters - CGPA 7.0/10.0. (Spring 2013 Graduate, awaiting Exam results)
Academic Project - Electrooculogram based Eye-gesture recognition.