

Pranav Ravichandran

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Education

St. Joseph's College of Engineering, Anna University Bachelor of Engineering in Electrical and Electronics Engineering CGPA: 7.44/10	2009-2013
Thesis, Final year Gestural interface with Electrooculogram-based eye gesture detection and classification.	2013

Technical Strengths

Languages	Python, Common Lisp, C, Java, JavaScript
Environment	Unix, Emacs, Bash, Git, Make/Cmake, Valgrind, Nginx
The Web	HTML, CSS, Django, Node.js, jQuery, Backbone.js
Databases	PostgreSQL, MongoDB

Experience

Google Summer of Code, Google <i>Student Developer</i>	Apr - Sep 2011 <i>Remote</i>
<ul style="list-style-type: none">· Implemented improvements and fixes to SMARTS, a Game Artificial Intelligence library for KDE Gluon.· Integrated SMARTS into KDE Gluon, giving it the capabilities of a Behavior Tree system.· Developed a KPart GUI to plug the SMARTS Behavior Tree editor into Gluon.	
HappyFox, Tenmiles <i>Software Developer</i>	January 2014 - Present <i>Chennai, India</i>
<ul style="list-style-type: none">· Implementing features, enhancements and integrations for HappyFox and related components.· Developed a decoupled REST-based task-server with Celery and RabbitMQ, to handle deferred services.· Implemented Contextual Search for Knowledge Base Articles using Latent Semantic Analysis.	
National Institute of Information Technology <i>Computer (A+) and Network (N+) Technician Certification.</i>	2009 <i>Chennai, India</i>

Open Source Contributions

Mozilla	2012-2013
<ul style="list-style-type: none">· Developed a code commenting and uncommenting feature for the Mozilla Firefox source editor.· Implemented W3C spec restrictions on WebIDL dictionary member types.· Contributed other patches and bugfixes.	
PySynth	July 2012
<ul style="list-style-type: none">· Created an interactive Command Line Interpreter to parse Musical Notation and render tunes on the fly.· Implemented multi-library support for audio playback.	
Others	
<ul style="list-style-type: none">· Minor patches to Linux Kernel, CPython, Tomahawk Media Player among others.	

Independent Projects

Transit.js	A JavaScript library to create purely client-side, interactive transit maps.
Suburl	A placeholder substitution-based URL shortener and sanitizer in Common Lisp.
This.onloop	Music Search and Album discovery tool, using Common Lisp and Restas.
Howstat	Resident player-statistics lookup bot for Reddit's Cricket Community, /r/Cricket.
PDoS	An exercise in extrapolating algorithmic patterns to musical notes.
Others	http://github.com/pranavrc/