Vipin Nair

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A polyglot hacker

Education

2013(Expected)	**Master of Computer Applications**, *National Institute of Technology*, Calicut, *7.34/10*.
2010	**Bachelor of Science**, *Christ University*, Bangalore, *64.5%*. Triple majors in Computer Science, Mathematics & Statistics
2007	**ISC**, *Kerala Samajam Model School*, Jamshedpur, *82%*.
2005	**ICSE**, *Kerala Samajam Model School*, Jamshedpur, *80.4%*.

Internships, Projects & Open Source Contributions

Debian	**Google Summer of Code Student**, *Summer 2012*. Developed an API and a data visualization interface for the Team Activity Metrics Project. tags: *Python, Django, API Design, Data Visualization*
Aufait Ltd	**Android Developer Intern**, *Winter 2011*. Developed a catalog app on the Android platform for a European supermarket chain. tags: *Java, Maps API, JSON API*
Paathshaala	Developed the complete backend for a media repository. Implemented a real time comments system using Apache CouchDB. tags: *CouchDB, JSON API, Response Time Optimization, Scalable N-tier architecture*
Ocrn	Implemented a neural network based handwritten character recognition system which can identify lower case letters from the English alphabet. tags: *Backpropagation Network, Bitmap Input, Supervised learning*
Open Source	Implemented a GPG Key strength verification feature in Debexpo,**Debian**. Added unitests and helper functions in Mozbase, **Mozilla**
Other Projects	SILC : A compiler for the subset of Simple Integer Language Tux of War : A quiz app on Google App Engine Sockmonkey : Event registration application for college tech fest, Tathva 2011

Technical Skills

Languages	Python, PHP, C/C++, JS, *nix scripting, Java, Erlang(Beginner)
OS	Comfortable with Debian & its derivatives. Familiar with other unix like systems .
Web	*Frameworks* : Flask, Django, Webapp, Drupal, Jekyll *Servers* : Nginx, Apache *Platform* : Google App Engine
Databases	PostgreSQL, CouchDB, MySQL, Redis
Testing	Python *unittest*
Version Control	Git
Others	Familiar with Flex, Bison, Make, LaTeX2_ε

Achievements & Recognition

Summer project Paathshaala was covered by the LinuxForYou magazine as case study of the enterprise use of PostgreSQL database in their May 2011 issue.

Selected for the prestigious Google Summer of Code program 2012

Selected for Yahoo Open Hack India 2011

Tech Fests

AIMS, Bangalore	First Place in Quiz, InterfaceX 2010
Christ University, Bangalore	First Place in Quiz, Softex 2011
	Second Place in Strategist, Eurotag 2010
	First Place in Quiz, Programming, Puzzles, Interface 2009
	First Place in Quiz, Sequence 2009
	First Place in Quiz, Inference 2008
GCC, Bangalore	First Place in Quiz, Gardenia 2010
IISc, Bangalore	First Place in Puzzles, CSA Open Day 2011
KJC, Bangalore	First Place in Quiz, Second Place in Data Mining, XActitude 2010
MESCE, Kuttippuram	First Place in Quiz, Excellenica 12
	First Place in Quiz & Hacking, Excellencia 11
PESIT, Bangalore	First Place in Quiz, Debugging, Puzzles, Paradigm 2009
PSGTech, Coimbatore	First Place in Quiz, Software Design & Linux Scripting, Login 2011

Hobbies & Areas of Interests

Pattern Recognition, Machine Learning, Scalable Architecture, Recommendation systems, Concurrent Programming, Distributed Systems

Free Software Philosophy, Debian, Python, Erlang

Reading, Photography, Traveling, Rock Climbing, Reversi