Praveen Kumar Pendyala

Android developer | Linux enthusiast | Web hobbist

Info

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pkp.io
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Contact

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Moltkestr. 15
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Skills

Programming
Java, PHP, Kernel C, Python, JavaScript, Shell, Verilog

Web
AngularJs, HTML5, CSS3, REST APIs, Bootstrap, MVCs

Android
Retrofit, Volley, Picasso, Material Design, Play Services

Tools
Git, SVN, Asterisk, Xilinx ISE, Jekyll, LaTeX, Moodle, Wordpress

Platforms
Linux, Windows, Mac OSX, Beaglebone, Google App Engine

Education

since 2014	**Masters,** Distributed Software Systems	Technische Universität Darmstadt
2010–2014	**Bachelors,** Electrical Engineering	Indian Institute of Technology Bombay
2008–2010	**Higher Secondary**	Vijaya Ratna Junior College, Hyderabad

Experience

since 2014	**Center for Advanced Security Research Darmstadt** *Working in Cloud, Android and Mobile security.*	Research Assistant
05–08 2015	**Google Summer of Code** *Linux drivers for remote access from Android.*	Supporting mentor
05–08 2014	**Google Summer of Code** *Developed kernel display driver for remote access to Linux from Android.*	Developer
05–07 2013	**Rice Univeristy** *Implemented a dual-core Physically Unclonable Function.*	Research Internship

Publications

2014	**PUFatt: Embedded Platform Attestation Based on Novel Processor-Based PUFs** Best paper candidate, Design Automation Conference *Kong, J., F. Koushanfar, P. K. Pendyala, A. - R. Sadeghi, and C. Wachsmann*

Achievements

- A. Richard Newton Young Student Fellow Award, DAC 2014, San Francisco
- All India category Rank 1 among 470,000 students in IIT JEE 2010
- All India category Rank 1 in Indian Institute of Space Technology Admission Test, 2010

Projects

since 2012	**MDroid - Moodle for Android** *Creator and maintainer. 73,000+ downloads. Top app for Moodle.*	Android, Githooks, REST, Markdown
2015	**Coursestats.de** *Course statistics and reviews from student community at TU Darmstadt.*	PHP, AngularJs, GAE, Python, Material Design, MySQL
2015	**Omnishare** *Client side encryption of Cloud data with easy-to-use file sharing support.*	Android, Cryptography, Dropbox Core APIs
2014	**Android accessory driver** *Kernel driver to set any Android device into Accessory (ADK) mode.*	Linux Kernel, Android accessory
2014	**Programmable Delay Logic** *Implemented PDL on virtex 5 FPGA. Configurable precision of 10 picoseconds.*	Verilog, Xilinx ISE, Virtex 5
2013	**Tum Tum Tracker, IIT Bombay** *Android application to track internal transportation vehicles at IIT Bombay.*	Android, Google Maps