

Praveen Kumar Pendyala

Android developer | Linux enthusiast | Web hobbyist

Info

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pkp.io
github/praveendath92

Contact

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Moltkestr. 15
64295 Darmstadt
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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** Research Assistant
Working in Cloud, Android and Mobile security.
- 05–08 2015 **Google Summer of Code** Supporting mentor
Linux drivers for remote access from Android.
- 05–08 2014 **Google Summer of Code** Developer
Developed kernel display driver for remote access to Linux from Android.
- 05–07 2013 **Rice Univeristy** Research Internship
Implemented a dual-core Physically Unclonable Function.
- 2011-2012 **IIT Bombay** Computers and Web Secretary
System administration and website maintainance for Hostel 6, IIT Bombay.

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