

A. Rajesh Prashanth (DoB: November 03, 1994)

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OBJECTIVE	To serve the society through the knowledge and skills acquired during under graduate education in Electrical and Electronics Engineering.	
EDUCATION	<i>B.E., Electrical and Electronics Engineering,</i>	(2016)
	Prathyusha Engineering College, Chennai-602 025. (formerly Prathyusha Institute of Technology and Management) CGPA: 8.24/10.	
	<i>Higher Secondary Education,</i>	(2012)
	Jaya Matriculation Higher Secondary School, Thiruninravur, Chennai-602 024. Percentage marks: 84.67 %	
	<i>Secondary Education,</i>	(2010)
	Jaya Matriculation Higher Secondary School, Thiruninravur, Chennai-602 024.	
AREA OF INTEREST	Instrumentations, Solar radiation measurements, Organic photovoltaics, Computational Material Science, Quantum simulations, Scientific software development.	
COMPUTER SKILLS	<i>Operating Systems:</i> Linux(Fedora, Ubuntu, CentOS), Windows(upto 8.1). <i>Languages & Packages:</i> FORTRAN, C, C++, Python, Bash scripting, L ^A T _E X, Matlab, Pspice. <i>Codes for Material simulation:</i> Quantum Espresso, SIESTA, BerkeleyGW, USPEX, XCrySDen.	
SOFTWARE DEVELOPMENT	Chief developer for “XtalCalculator”— A code for computing physical parameters in crystals. The source code can be downloaded under GNU/GPL at the project page http://sourceforge.net/projects/xtalcalculator/	
LITERARY LANGUAGES	Fluent in reading, writing and speaking in English and Tamil.	
TRAININGS	A week long inplant training at M/s Lucas Indian Services, Ambattur Industrial Estate, Chennai-58.	(Jun 16-21, 2014)

CERTIFICATIONS

1. Certification on "Introduction to Linux." Jul 2015
Offered by edX with the support of The Linux Foundation, San Francisco, United States of America.
2. IBM-CE Software Foundation (Advanced) course. Jul 2013-Jan 2014
Offered by IBM Career Education program.

PROJECTS

1. "A Novel design and Characterization of Pyranometer for Precision Solar Radiation Measurements", End-course project, Funded by Prathyusha Institute of Technology and Management, Chennai, Jan-Feb, 2016.
2. "Installation of solar powered street lamps for public utility at Paparampakkam village (20 W, 12 Hrs, Open air model).", Funded by Prathyusha Institute of Technology and Management, Chennai, Feb-Mar, 2015.
3. "Installation of solar powered pollution free garden lamps (20W, 8 Hrs, Open air model).", Funded by Prathyusha Institute of Technology and Management, Chennai, Nov-Dec, 2014.
4. "Design and Installation of solar powered street lamps (20W, 8 Hrs, Open air model).", Funded by Prathyusha Institute of Technology and Management, Chennai, Jul-Aug, 2014.

PROJECT CONTESTS

1. Participation at "Engineer Infinite 2016", as a part of ELECRAMA 2016
Organized by Indian Electrical and Electronic Manufacturer's Association (IEEMA), Bangaluru on Jan 13-17, 2016.
2. Participation as exhibitor at "Open House and Project contest"
Organized by Dhanalakshmi College of Engineering, Tambaram, Chennai on Sept 3-5, 2015.

WORKSHOPS

1. One Day workshop on Embedded systems.
Organized by Tamil Nadu Science and Technology Centre, Chennai on May 6, 2015.
2. India's first cloud computing championship.
Organized by IFC3-India, IIT-Bhuvanesar and Prathyusha Institute of Technology and Management, Chennai on Feb 21 and 22, 2015.
3. 8th USPEX workshop on Crystal Structure Prediction.
Organized by Stony Brook University, USA, International Union of Crystallography, IUCr-London and Shiv Nadar University, Noida, India, Jan 20-24, 2015.

HONORS AND AWARDS

- Best Project Design award for the End course project "A Novel design and Characterization of Pyranometer for Precision Solar Radiation Measurements", April, 2016.
- Appreciation from the college for the project "Design and Installation of solar powered street lamp."

**COMMUNITY
SERVICES**

- Invitee for talk on the solar powered appliances in a village through community service under National Service Scheme - Feb 2015.
- Active member in polio drop administration camp in collaboration with the Department of Public Health Services (Government of Tamil nadu), Chennai, Tamil Nadu.

OTHERS

Electronic hobbyist, Domestic appliances maintainance.