

**Keerthana Krishnan**  
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Kochi

## AREAS OF EXPERTISE

- Technical Skills: C, C++, Python, Bash Shell, PHP, Ruby on Rails, MySQL
- Operating Systems known: Ubuntu, Mint, Debian, Fedora.
- Areas of Interest: Free/Libre Open Source Software, Web Application Development, Shell Scripting, Computer Networks, Computer Security, Content Management of Websites

## WORK EXPERIENCE

- **Organisation: Debian/Google** **Post: Intern** **Duration: Ongoing**
  - Contributor to the Debian Operating System Software
  - WikiPage <https://wiki.debian.org/SummerOfCode2016/StudentApplications/KeerthanaKrishnan>
  - Technology: Bash shell, C++, PHP, MySQL
- **Company: Assyst International** **Post: Intern** **Duration: 1 Month**
  - Project: Creating JS forms for various purposes
  - Team size: 1
  - Technology: JavaScript, MEAN Stack, AJAX, JQuery
- **Company: International Center for Free and Open Source Software (ICFOSSS)** **Post: Intern** **Duration: 3 Weeks**
  - To render a power point presentation on a browser.
  - Team size: 1
  - Technology: JavaScript, CSS, HTML

## ACHIEVEMENTS

- Speaker at DebConf16 at Cape Town : [here](#) and [here](#)
- Got a scholarship to attend DebConf 16 in South Africa as a Debian/GSoC intern
- Selected as intern for Debian in Google Summer of Code 2016
- Selected for the Grace Hopper Women In Computing Conference Scholarship on Merit

## VOLUNTEER EXPERIENCE

- **Organisation: Fedora** **Post: Contributor** **Duration: Ongoing**
  - Contributor to the Open Source Fedora project
  - Wiki Page : <https://fedoraproject.org/wiki/User:Keekri>
  - Technology: JavaScript, C
- **Organisation: IEEE** **Post: Contributor** **Duration: Ongoing**
  - Involved in technical and technology related social events across Kerala
  - Helped in event organization, publicity and documentation
- **Organization: Make A Difference** **Post: Fund Raising Intern** **Duration: 1 Year**
  - Involved in the fund raising wing of an NGO which focuses on the welfare of children in shelter homes across the country in 23 cities
  - Team size: 50
  - Organized more than 5 major charity fund raising events in Cochin city.

## ACADEMICS

COURSE	INSTITUTION	AGGREGATE	YEAR
B. Tech (Computer Science and Engineering)	Govt. Model Engineering College (CUSAT)	7.45 (CGPA)	2012-2016
Class XII	Model Technical Higher Secondary School (THSC)	90.5%	2012
Class X	Model Technical Higher Secondary School (THSLC)	9.5 (CGPA)	2010

## PROJECTS

- **Project: Improving voice, video and chat communication with free software with Debian under Google Summer Of Code 2016** **Team Size: 1** **Duration: Ongoing**
  - A project with [Debian](#) under [Google Summer of Code](#)
  - Role: **Website Creator and Admin**
  - **Technology: HTML, Bootstrap, JavaScript, CSS, Wordpress CMS**
- **Project: Personal Blog** **Team Size: 1** **Duration: Ongoing**
  - A personal blog : <http://thewaterbabe.in/>
  - Role: **Website Creator and Admin**
  - Technology: HTML, Bootstrap, JavaScript, CSS, Wordpress CMS
- **Project: Personal Website** **Team Size: 1** **Duration: Ongoing**
  - A personal website : <http://www.keerthanakrishnan.in/>
  - Role: **Website Creator and Admin**
  - Technology: HTML, Bootstrap, JavaScript, CSS
- **Project: Programming++** **Team Size: 3** **Duration: 6 Months**
  - Visual Programming Language Software
  - Role: **Main Coder and Database Designer**
  - Technology: HTML, Bootstrap, JavaScript, CSS, Ruby On Rails
- **Project: CryptoChat** **Team Size: 4** **Duration: 3 Months**
  - Secure instant messaging application
  - Role: **Database Design and Coding**
  - Technology: XMPP, Amazon EC2 Server, SQL
- **Project: Music Database** **Team Size: 4** **Duration: 20 Days**
  - A Database for storing, selecting, playing and deleting music file lists.
  - Role: **Database Design and Testing**
  - Technology: HTML, JavaScript, JSP, MySQL.
- **Project: Number guessing game** **Team Size: 1** **Duration: 1 Day**
  - It is an android game application which generates a random number and asks the user to guess it by providing clues within 10 maximum guesses.
  - Role: **App Developer**
  - Technology: Android, Java, Eclipse IDE.
- **Project: Secure Diary** **Team Size: 1** **Duration: 1 Day**
  - An application to encrypt diary entries using python
  - Role : Coder
  - Technology: Python
  - Winner : Most innovative python project in the hackathon conducted at Raspberry Pi Workshop, part of KiTes 2013, during 6<sup>th</sup>-7<sup>th</sup> July 2013, Govt Engineering College, Thrissur
- **Project: Line tracer robot** **Team Size: 4** **Duration: 7 Days**
  - A line tracing and obstacle detecting robot made as a part of workshop on Swarm Robotics conducted by Roboversity at Govt. Model Engineering College.
  - Role: **Team Member and Coding**
  - Technology: Coding micro controller.

## POSITIONS OF RESPONSIBILITY

- **Student Ambassador**, International Centre for Free and Open Source Software 2015-2016
- **Student Member**, IEEE, IEEE Computer Society (CS), Women In Engineering (WIE), Kerala Section, since January 2013
- **Member**, MACS, MEC Association of Computer Students
- **Fund Raising Intern**, MAD (Make A Difference) Cochin, 2014-15
- **Events Coordinator**, IEEE Student Branch (SB) of Govt. Model Engineering College, 2014-15
- Publicity, Marketing Volunteer, Excel 2014 held at Model Engineering College, 25-27<sup>th</sup> September 2014
- Publicity Volunteer, Kerala IEEE Technical Symposium (KITeS) 2014, held at RIT Kottayam on 15<sup>th</sup> August 2014

- Contributing Editor, Verve, IEEE Kochi Subsection Web Magazine released on July 1, 2014
- Organizer, Technical Workshop Marathon conducted at Model Engineering College from 12-20 June 2014, involved in locating resource persons and was personally involved with publicity.
- Organizer, Android Workshop conducted at Model Engineering College by ECell, during 26-27 February 2014
- Organizer, Excel 2013, Technology festival at Model Engineering College at 27-29 September 2013
- Contributor - IEEE LINKLINE 2013 published by Kochi Hub in June 2013
- Volunteer at Computer Society of India (CSI) National Quiz 2013, Regional Round conducted in Cochin on January 2013
- Volunteer for IEEE Educational Outreach Program at Pratyasha Bhavan, an orphanage for high school girls in October 2012

## INTERESTS AND ACTIVITIES

- Blogger, <https://cutencrazyindie.wordpress.com/>
- FOSS Enthusiast and developer, <https://github.com/Keerthana17>
- Participant, Workshop on “Big Data Analytics With MongoDB” by Computer Society Of India held at Albertian Institute of Science And Technology on 28<sup>th</sup>-29<sup>th</sup> October 2014
- Participant, Workshop on “Introduction to Go Programming Language” held in connection with Excel 2014 at Govt. Model Engineering College on 27<sup>th</sup> September 2014
- Participant, Seminar on “Cloud 101” held in connection with Excel 2014 at Govt. Model Engineering College on 26<sup>th</sup> September 2014
- Participant, Cocon 2014, One Day Workshop On Ethical Hacking For Women, by Kerala Police at Atulya Auditorium, Infopark on 21<sup>st</sup> August 2014
- Participant, All Kerala Computer Society Day (AKCSD), IEEE CS event organized by College of Engineering Chengannur, on 5<sup>th</sup> August 2014
- Participant, Developer Boot Camp, Organized by IEEE CS Kerala Section at Govt. Engineering College, Wayanad, 12<sup>th</sup> -13<sup>th</sup> June 2014
- Participant, in 'Impulse 2k14', IEEE WIE meet up conducted at FISAT on 5<sup>th</sup> July 2014
- Participant, Focus group discussion on “Social Networking Services and Social Media Platforms and Technology” by Department of Management Studies, Christ University, 11<sup>th</sup> May 2014 as a part of an Indo-Korean Science and Technology collaborative project
- Participant, Renesas Neona RL78 Design Contest conducted by Neona labs at Albertian Institute Of Science And Technology, 7<sup>th</sup> -10<sup>th</sup> February 2014
- Participant, Devcon 2013, developer conference conducted at Govt. Model Engineering College on 27 September 2013
- Participant, Robotics workshop conducted by 4<sup>th</sup>-6<sup>th</sup> September 2013 Skyfi Labs at Govt. Model Engineering College
- Participant, Raspberry Pi Workshop, part of KiTes 2013, during 6<sup>th</sup>-7<sup>th</sup> July 2013, Govt Engineering College, Thrissur

## REFERENCES

- Prof. Dr. V P Devassia, Principal, Govt. Model Engineering College, Thrikkakara. Email id: [principal@mec.ac.in](mailto:principal@mec.ac.in).
- Preetha Theresa Joy, HOD, Computer Science Department, Govt. Model Engineering College, Thrikkakara. Email Id: [hodcs@mec.ac.in](mailto:hodcs@mec.ac.in)