

# Nandaja Varma

## Resume

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### Education

- Pursued Bachelors in Technology degree in *Computer Science and Engineering* from NSS College of Engineering, Palakkad (Affiliated to University of Calicut) in 2014.

**Cumulative Grade Point Average - 7.9 (First Class).**

### Technical skills

<b>Operating Systems</b>	Gnu/Linux(Debian, Fedora, Arch distributions and their descendants)	<b>Languages known</b>	Python, C, Ruby, C++, Clojure(preparing), Java(basics), HTML/CSS, Go(Basics), PHP(Basics),
<b>Development Tools</b>	Vim, Git, Bash, Quilt, Fontforge	<b>Frameworks</b>	Ruby on Rails, Wordpress, Flask(Basics), Hadoop
<b>Software Packages</b>	Docker, Ansible, OpenStack, MediaWiki, MySQL, Harfbuzz, LaTeX, Gimp, Kubernetes		

### Work Experience and Positions

- April 2013 – **Intern software developer**, Bang The Table Pvt. Ltd., Bangalore.  
May 2013 Bang The Table Pvt. Lmt. is an Australian Company that creates and maintains community engagement web sites for Australian, New Zealand and Canadian Governments for the past 7 years.  
Helped create automatic deployment scripts for their development and production environments
- May 2014 – **Software developer**, Bang The Table Pvt. Ltd., Bangalore.  
Dec 2014 Bang The Table Pvt. Lmt. is an Australian Company that creates and maintains community engagement web sites for Australian, New Zealand and Canadian Governments for the past 7 years.  
Was a part of the development team of Bang The Table Pvt. Ltd. in India and worked as a backend web developer for 7 months. Got involved with several feature development jobs and several DevOps work involving deployment and maintenance of Govt. project sites hosted across Asia and North America.
- Jan 2015 – **Intern Software Engineer**, Red Hat Inc., Bangalore.  
Jun 2015 Red Hat, Inc. is an American multinational software company providing open-source software products to the enterprise community.  
Worked as a contract developer in Red Hat Inc., Bangalore office. Involved in the community based project GlusterFs, a distributed storage filesystem.

Jul 2015 – **Associate Software Engineer**, Red Hat Inc., Bangalore.

Present Red Hat, Inc. is an American multinational software company providing open-source software products to the enterprise community.

Works as a developer in Red Hat Inc., Bangalore office. Part of the GlusterFS team. Helps in making the distributed filesystem performance efficient and more user friendly. Current project is an automated deployment tool for GLusterFS using Ansible. I am the only developer. Source code: <https://github.com/gluster/gdeploy>

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## Open Source Contributions

**PeARS**, *Developer*, <https://github.com/minimalparts/PeARS>.

PeARS is a distributed search engine project based on Distributional Semantics and other NLP ideas. We are trying to build a search engine that is distributed, free of advertisements and commercial bias, and privacy concerned.

**Swathanthra Malayalam Computing**, *Contributor, Volunteer*, <http://smc.org.in>.

Swathanthra Malayalam Computing (SMC) is a free software collective engaged in development, localization, standardization and popularization of various Free and Open Source Software in Malayalam language.

Being an active volunteer of the community, I have given sessions and workshops all around Kerala, trying to get students involved in different Free Software communities and technologies. Also have made many code contributions in the Natural Language Computing Domain for the community.

**Debian**, *Package maintainer*, <http://debian.org>.

Debian is an operating system and a distribution of Free Software. It is maintained and updated through the work of many users who volunteer their time and effort.

Maintains Rubygem packages for Debian. As of now, maintain 3 of them.

**Diaspora Project**, *Translator, Packaging*, <http://diasporafoundation.org/>.

Diaspora is a nonprofit, user-owned, distributed social network that is based upon the free Diaspora software.

Helps maintain Debian package for Diaspora, co-maintain a Diaspora pod called poddery.com and was involved with localization

**Malayalam Wikisource(Grandhashala)**, *Contributor*, <https://ml.wikisource.org/>.

Wikisource is the free online library where anyone can contribute.

Helps in digitalizing couple of Malayalam classics.

**GlusterFS**, *Contributor*, <http://gluster.org/>.

GlusterFS is a scale-out network-attached storage file system.

Active developer in the GlusterFS community, <http://bit.ly/1FBQJjU>

**Localisation Projects**, *Gnome*, <https://l10n.gnome.org/users/nandaja/>.

Minor involvements with localization projects in my mother tongue Malayalam

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## Projects

- **Gdeploy** – <https://github.com/gluster/gdeploy>

A python framework to automatically setup and deploy GlusterFS using Ansible.

- **Automated Rendering testing** – <https://github.com/nandajavarma/Automated-Rendering-Testing>  
A python framework to test the correctness of output by rendering engines. It is an automatic testing tool built specifically for Indic languages. This framework is widely used by font developers to test their fonts automatically.  
Completed as a part of the Google Summer Of Code - 2013 project.
- **Programmatic creation of PDF books from HTML pages for non-latin scripts**  
A Python project to implement PDF exports of HTML content like wiki pages for non-latin scripts like all Indic languages, Arabic etc.  
This is submitted as the 8th Semester project(Major Project).
- **Offline wikipedia reader using Hadoop**  
A search on wikimedia dump using Hadoop's Map Reduce and HDFS functionalities.  
Submitted as 6th semester project(Mini project).

## Major Achievements

- **Google Summer Of Code - 2013**  
Got selected for GSoC - 2013 and worked under the organization SMC on the project Automated Rendering Testing.
- **Linux foundation scholarship - 2013**  
Winner of Linux foundation scholarship under the category Whizkid in the year 2013 and attended Linux system administration training course the same year.
- **Red Hat Sponsorship - 2013**  
Sponsored training of RHCSA course by Red Hat.
- **Google Women Techmakers Program - 2014**  
Was one among the 10 women who got selected as Women Techmakers by Google in the Indian edition of their program in 2014.
- **All India Rank 4900, GATE - 2014**  
Qualified GATE with AIR 4900 and a score of 570 in the year 2014.

## Trainings and Certifications

- **Redhat Certified System Administration course**  
Completed the one week training program at Redhat office.
- **Linux foundation system administration training**  
Completed online training program on system administration

## Talks given and Workshops conducted

- Feb 2013 **Rubygem packaging for Debian, NIT Calicut.**  
Presented an introductory talk on packaging Rubygems for Debian at FOSSMeet in NIT Calicut.

- Sep 2013 **Free and Open Source software - An Intoduction**, *Women's polytechnic college, Payyannur.*  
Presented an introductory talk on FOSS and open source contributions
- Sep 2013 **Swathanthra Malayalam Computing - An introduction**, *PMG HSS, Palakkad.*  
Presented an introductory talk about the organization Swathanthra Malayalam Computing
- Oct 2013 **Introdution to Open Source Contributions**, *Devcon - 2013, Model Engineering College, Ernakulam.*  
Presented a talk on open source contributions
- Oct 2013 **Unicode fonts and it's testing**, *SMC 12th year event, Sahithya Academy hall, Thrissur.*  
Presented a talk on Unicode fonts and it's testing using automated rendering testing tool
- March 2014 **Deterministic parallel programming with Haskell**, *Seminar, NSS College of Engineering.*  
Presented a seminar that covered basics of functional programming, Haskell and Deterministic parallel programming using it
- August 2014 **Open Source contributions - what and how?**, *College of Engineering, Munnar.*  
Presented a talk on scopes and oppurtunities for engineering student in open source communities

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## Interests and Hobbies

- Amateur Mixed Martial Arts fighter. Takes training in Kick Boxing, Brazilian Jiu Jitsu and Wrestling
- Hobby Cyclist.
- Fan of books on fiction(sci-fi mainly) and fantasy
- Free software, Open knowledge and Online privacy evangelist

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## Declaration

- I hereby declare that the information furnished above is true to the best of my knowledge and belief.

Bangalore, India

NandajaVarma N.