Rajasekhar Ponakala

MASTER STUDENT IN INFORMATION AND COMMUNICATION TECHNOLOGY | ASIAN INSTITUTE OF TECHNOLOGY

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Education

Asian Institute of Technology (AIT)
Thailand

ME IN INFORMATION AND COMMUNICATION TECHNOLOGY; ADVISOR: DR. MATTHEW N. DAILEY
Jan. 2017 - PRESENT

- Overall CGPA:2.8/4.
- Special Study: *LineageOS Android Open Source Mobile Operating System : Strengths And Challenges*.
- Research: *Testing Deep Neural Networks for Classification Tasks Through Adversarial Perturbations On Test Datasets*.

Jawaharlal Nehru Technological University Hyderabad (JNTUH)
Telangana, Hyderabad, India

BE IN ELECTRONICS AND COMMUNICATIONS ENGINEERING; ADVISOR: DR. P. ANITHA SHEELA
2016

- Overall GPA:6.1/10.
- Activities: Team lead for GNU/Linux user group (GLUG) and technical committee for college department annual fests, collaborative developer at a Free and Open Source Computer Training Center, and a lead speaker on Free and Open Source technologies

Projects

Debian Project
Remote work

ACTIVE CONTRIBUTOR
March 2016 - present

- PEAR Packager for PHP Debian group, and Junior developer for Debian Octave Group.
- Packaged two dependency libraries for GNU-Social project in FreedomBox, a personalized and private home server.
- An online consultant to the Debian new users forum.

JNTUH
Telangana, Hyderabad, India

LINUX CONSULTANT AND HELPER STUDENT BE PROJECTS
January 2014 - December 2016

- Speaker, Supporter, and Mentor for Linux training sessions in GLUG. Configured automatic controlling of paper presentations in collage annual fests using RaspberryPi open hardware.
- Configured a Linux based VoIP server for testing use cases of FreedomBox project, a personalized home server.
- Worked on OpenWRT and BeagleBoneBlack hardware to create an Access Point instance, and College Radio instance using GNU Radio.
- Mentored/Volunteered projects: Open Hardware solution for small business applications, Open Source VoIP usnig Yate, Decryption of Cryptography Ciphers of Indian Languages, and Government School Teachers Training sessions on Linux usage,

BE, ME Course Projects

TEAM LEAD

- BE final project is on License Plate Detection and Text Extraction using BeagleBoneBlack by utilizing K-NN algorithm, and later presented to the Government Traffic Police Authority as a POC - November 2017.
- Machine Vision course project is on Thai License Plate Detection using SVM and Sliding window approach - April 2017.
- Decision Support Technologies course project is on Daily-Base Food Recommendation System as a website - April 2017.
- E-Business course project is on Social Dating website - November 2017.

Mozilla Project

ACTIVE CONTRIBUTOR
March 2014 - present

- Co-organized 1-day workshop on Firefox OS- Apps, Active campaigner for Mozilla project, Active contributor for L10n Telugu localization project, Organized Firefox Quantum Testing Day, and tested different sites for Quantum release.

Drupal Based Projects

WEB DEVELOPER
March 2015 - present

- Developed a Drupal based websites for the college annual fests, and a Social Dating site for an academic course project.

Work Experience

15-day Advanced Boot Camp - Swecha, JNTUH   *Hyderabad, India*

Co-organizer   *June 2015*

- Internship as a co-organizer in a 15-day boot camp on most advanced open source technologies, and helped students on Linux System Administration.

Swecha Summer Camp- Chaitanya Bharathi Institute of Technology   *Hyderabad, India*

Lab Instructor   *May 2016*

- Internship as a lead lab instructor for 5-day camp. Presenter for Linux System Administration with respect to Open Hardware. Mentored student projects in the lab.

FOSS Workshops, Fests, Talks and Presentations

Invited and Assigned Talks - Swecha   *Telangana, India*

Presenter for Open Hardware India   *March 2016 - July 2017*

- Jyothishmathi Institute of Technology and Science- Two-day workshop on Open Hardware
- JNTUH College of Engineering Jagtial- Two-day workshop on IOT
- khammam institute of technology and science- Two-day workshop on Open Hardware
- Institute of Chartered Financial Analysts of India- One-day workshop on Basic Linux Administration
- Sridevi Women's Engineering College- Invited talk on Basic Linux Administration to configure Drupal

TechDays 3.0 and 4.0 - Swecha   *Telangana, India*

Speaker   *December 2015 - July 2016*

- Speaker and Lab Instructor - Arduino month - TechDays 3.0, and Integrating Arduino with school curriculum experiments - TechDays 4.0.

Software Freedom Day 2014

GLUG Team Lead   *September 2015*

- Volunteered Software Freedom Day in JNTUH.

Others

Attended Sessions

- FOSS workshops in FreedomFest 2015. Drupal Module Development sessions, Combined event of Telugu Wikipedia and Mozilla L10n Telugu Team, Master Training Camp on Python, Weekly GeekNights in ThoughtWorks Inc.

Skill Set

- Programming Languages: C, C++, Python
- Operating Systems: GNU/Linux, Windows /98/2000/XP/7/8
- Databases: MySQL
- Others: HTML, PHP, GIMP, Inkscape
- Hardware: Embedded C

Languages

- Telugu as a Mother Tongue language.
- Good fluency in English.

Interests

- Free and Open Source Software, Open Hardware, Machine Learning, Human Computer Interaction, Computer Vision, Cognitive Science, Industrial Oriented Project Management and Development, Gender Studies and Development, Societal Economics, Community Blogging, Creative Art and Music culture, Collaborative works.

References

Dr. L. Pratap Reddy, Electronics and Communication Engineering, JNTUH, Hyderabad, India ✉ prataplr@jntuh.ac.in
Sunil Mohan Adapa, Debian Maintainer, Hyderabad, India ✉ sunil@medhas.org
Gianfranco Costamagna, Debian Developer ✉ locutusofborg@debian.org
DDPO - Rajasekhar Ponakala, `https://qa.debian.org/developer.php?login=rajasekhar@swecha.net`
Debian Alioth Profile - Rajasekhar Ponakala, `https://alioth.debian.org/users/rajasekhar-guest`
Drupal Project Profile - Rajasekhar Ponakala, `https://www.drupal.org/u/prajasekhar`

Mozilla Project Profile - Rajasekhar Ponakala, `https://mozillians.org/en-US/u/rajasekhar/`