

# Yedhu Krishnan

MASTER'S STUDENT IN COMPUTER SCIENCE WITH SPECIALIZATION IN IMAGE PROCESSING

Kochi, Kerala, India

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## Experience

### Multunus Software

Bangalore, India

SOFTWARE DEVELOPER, OPEN SOURCE CONTRIBUTOR

Jun 2013 - May 2017

- Worked with teams, ranging from 2 to 8 people, developing applications for customers
- Developed web and mobile applications using Ruby on Rails, Sails.js, Backbone.js and Android (Java)
- Practiced and propagated agile methodology, pair programming and test driven development (TDD)
- Conducted hacknight and coderetreat events
- Was part of the recruiting and training team in Multunus

### Aconex

Bangalore, India

SOFTWARE CONSULTANT

Apr 2015 - Oct 2015, Apr 2016 - Jun 2017

- Worked as a consultant from Multunus for 1.5 years, and as an independent contractor for 3 months
- Was part of team developing Aconex Field, an application to carry out inspections in construction sites
- Worked with technologies and frameworks including Ruby Webmachine, Cordova and Angular.js

## Skills

LANGUAGES, FRAMEWORKS, PACKAGES AND TECHNOLOGIES

- Ruby, Python, Javascript, Java
- Android, TensorFlow, Ruby on Rails, Angular.js, Backbone.js, Node.js

PRACTICES, METHODOLOGIES AND DOMAINS

- Pair Programming, Test Driven Development (TDD), Continuous Delivery
- Web/Mobile App Development, Image Processing, Machine Learning

## Achievements

2018 **Deep Learning Specialization**, completed 5-course specialization by deeplearning.ai

Coursera

## Projects

### Playing Checkers with Deep Learning

Model Engineering College

SOFTWARE DEVELOPER

Jan 2018 - Apr 2018

- Python, TensorFlow
- Developed a self playing checkers game using deep learning and Monte Carlo Tree Search
- Mini project part of M.Tech coursework

### Aconex Field

Aconex

SOFTWARE DEVELOPER

Apr 2015 - Oct 2015, Apr 2016 - May 2017

- Angular.js, Ruby
- Developed an application to conduct structured/unstructured site inspections in construction field
- Developed a back-end in Ruby Webmachine to store/retrieve structured inspection data

### bidPress

Multunus Software

SOFTWARE DEVELOPER

Nov 2015 - Apr 2016

- Ruby on Rails, Backbone.js
- Developed a website for customers in United States to design and order custom printed T-shirts
- Developed a back-end service in Phoenix to do the price calculation for their orders

## EyzUp

SOFTWARE DEVELOPER

Multunus Software

Feb 2015 - Apr 2015

- **Android (Java), Ruby on Rails**

- Developed an application which tracks phone usage and also helps to reduce the usage with gentle reminders or restrictions
- Learned about Material Design concepts and carried out Design Sprints to come up with solutions with a problem driven approach

## sails-generate-auth

OPEN SOURCE CONTRIBUTOR

GitHub

Nov 2014 - Feb 2015

- **Sails.js**

- A Passport.js based authentication generator for use with the Sails command-line interface
- Developed token based authentication feature in to the library

## OneMDM

SOFTWARE DEVELOPER, OPEN SOURCE CONTRIBUTOR

GitHub

Oct 2014 - Dec 2014

- **Sails.js, Android (Java)**

- Developed an Android application running as a service that communicates with a back-end server
- Developed a back-end solution which monitors Android clients and pushes applications to be installed in the device

## Mobile Device Management Solution for ContextMedia Health

SOFTWARE DEVELOPER

Multunus Software

Aug 2013 - Oct 2014

- **Ruby on Rails, Backbone.js, Android (Java)**

- Developed a mobile application for educational purpose to use in tablets placed in medical clinics in United States
- Developed a back-end which allows admin to monitor the devices and push video contents to it whenever required

## Turing Machine Simulator

SOFTWARE DEVELOPER, OPEN SOURCE CONTRIBUTOR

GitHub

Feb 2013 - Aug 2018

- **C, Python**

- Developed a deterministic turing machine simulator that accepts a string and processed it according to a given set of transitions
- Developed a non-deterministic turing machine simulator, which uses a Breadth First Search in case of non-determinism

## Education

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### FISAT (Federal Institute of Science and Technology)

Kerala, India

B.TECH IN COMPUTER SCIENCE AND ENGINEERING

2009 - 2013

- Got the best project award for Checkers using Artificial Neural Networks
- Was a volunteer/member of IEEE FISAT Chapter
- Conducted various programming challenges as part of tech fests

### MEC (Model Engineering College)

Kerala, India

M.TECH IN COMPUTER SCIENCE: SPECIALIZATION IN IMAGE PROCESSING

2017 - Present

- Worked on various deep learning and image processing projects
- Developed a self playing checkers deep neural network
- Gave workshops and mentored students on Python, machine learning, image processing and some core computer science subjects

## Writing

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BLOGGING

- Medium: <https://medium.com/@yedhukrishnan> (Technical and non-technical)
- Blog: <https://yedhukrishnan.blogspot.in> (My blog to share what I learn)

## Reading

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TECHNICAL / NON-TECHNICAL

- Active member and a librarian on Goodreads (<https://www.goodreads.com/yedhukrishnan>)
- Currently on a goal to read 100 books in 2018
- Read: The Pragmatic Programmer; from Journeyman to Master
- Currently reading: Deep Learning, by Ian Goodfellow