Yedhu **Krishnan**

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

Kochi, Kerala, India

(+91) 85476 06599 | ✉ yedhukrishnan@yahoo.com | 🏠 yedhukrishnan.github.io | yedhukrishnan | yedhukrishnan

Experience

Multunus Software   *Bangalore, India*
SOFTWARE DEVELOPER, OPEN SOURCE CONTRIBUTOR   *Jun 2013 - Mar 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*
2018   **IBM Data Science Specialization**, completed 4 out of 9 courses by IBM   *Coursera*

Projects

Image Captioning System   *GitHub*
SOFTWARE DEVELOPER   *Sep 2018 - Present*

- **Python, TensorFlow, Keras**
- An ML system to automatically caption an image for better searching
- A project to learn the basics of convolutional and recurrent neural networks and their implementation in Keras

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
SOFTWARE DEVELOPER

Multunus Software

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

Multunus Software

SOFTWARE DEVELOPER

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

GitHub

OPEN SOURCE CONTRIBUTOR

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

GitHub

SOFTWARE DEVELOPER, OPEN SOURCE CONTRIBUTOR

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

Multunus Software

SOFTWARE DEVELOPER

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

GitHub

OPEN SOURCE CONTRIBUTOR

Feb 2013, Aug 2018

- **C, Python**
- Developed a deterministic turing machine simulator that accepts a string and process 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-deteminism

Education

MEC (Model Engineering College)

Kerala, India

M.TECH IN COMPUTER SCIENCE: SPECIALIZATION IN IMAGE PROCESSING

2017 - 2019

- 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 CS subjects

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

Writing/Reading

BLOGGING

- Medium: https://medium.com/@yedhukrishnan (Technical and non-technical)
- Blog: https://yedhukrishnan.blogspot.in (Blog to share what I learn)
- Blog: https://mirrordimension.wordpress.com (Blog to share my thoughts on books)
- Active member and a librarian on Goodreads (https://www.goodreads.com/yedhukrishnan)
- Goal for 2018: Read 100 books (completed 87 so far)