Rahul Ethiraj

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EDUCATION

University of Southern California - *Los Angeles, CA*   **Amrita University** - *Coimbatore, India*
MS, Computer Science | Expected May 2019   B. Tech, Computer Science Engineering | May 2015
GPA: 3.56/4.0   **GPA: 8.91/10.0** (*Distinction*)

SKILLS

- **Networking** : CCNP (R&S), Cisco UCS, Data Analysis, Data Centre, Cisco Nexus, TCP/IP, Cisco Networking, Cisco Systems Products, VMware ESX, VMware vCenter, VMware vSphere
- **Technical** : Java, C, C++, Python, PHP, SQL, MySQL, Unix, JavaScript, XML, JSON, AJAX, jQuery, CSS, Bootstrap, HTML 5.0, AngularJS, UCS Central, Nexus 1000v, Hyper-V, Red Hat, SUSE
- **Tools** : Android Studio, NetBeans, GIT, SVN, AWS EC2/S3, Google Cloud, Photoshop, Visio, SciPy, Pandas, NumPy, Weka, MATLAB, Scikit-Learn, TensorFlow, GNS3, Wireshark, ASP.NET
- **Soft skills** : Global delivery, customer interaction, mentoring, network consulting, team building

WORK EXPERIENCE

COCOMO Software Engineering at USC – *Intern*   May - July 2018
- Testing work, with possible bug fixing, few unfinished tasks and features have been implemented.

Cisco Systems, Bangalore - *Engineer, Server Virtualization*   July 2015 - Dec 2017
- Delivered solutions and resolved problems for Cisco clients through computer programming and systems engineering
- Role involved troubleshooting large scale data center networks and scripting to automate diagnosis of problems in network

Cisco Systems, Bangalore - *Intern*   Jan - June 2015
- Completed practical training and assisted in ongoing projects (automation and RMA reduction) through computer programming and systems engineering
- *CYK, LR parsers,* and *shift-reduce* in Python, to parse the tech-support bundle from Unified Computing System (UCS) and extract required information for Big Data Broker (BDB)

ONGC, Chennai– *Intern - Microsoft .NET framework-ASP.NET & MS SQL Server*   May - July 2013
- Constructed a rich web-based Intranet Mail for sending and receiving ONGC (Oil and Natural Gas Corporation) Ltd. ISO formatted forms.

PROJECTS

Gender Transformation using Adversarial Networks-GANs – *Python, PyTorch, TensorFlow*   May-July 2018
- Given an image of a male, generator network is expected to produce a realistic version of the same person as a female and vice versa.

Generative Models for Text - *Trained an LSTM to mimic Russell's style and thoughts*   May-July 2018
- Built a generative model to mimic the writing style of prominent British Mathematician, Philosopher, prolific writer, and political activist, Bertrand Russell.

(Deep) CNNs for Image Colorization – *Keras*   May-July 2018
- Created a CNN for image colorization that turns a grayscale image to a coloured image.

Travel and Entertainment Search App - *Node.js, Java, JS, jQuery, Bootstrap, Angular, AWS*   Jan- May 2018
- Developed a Web and an Android application, which allows users to search for a place, look at information about it, save some as favourites and post on Twitter about the place

Interactive Yoga poses correction - *MATLAB*   Oct- Dec 2018
- Partially devised an articulated human body model by using limbs and joints, and to track human motion in a video sequence and suggest corrections, if the user is in a wrong position.

EXTRA CURRICULAR

- Active participant as a volunteer in *Cisco's Corporate Social Responsibility* activities, *directed* fresh graduate employees and interns, Ambassador of *Foundation to Success*, a global training program and lead member in authoring the *Jive On* page for the team, an internal forum for Cisco Systems.