San Ramon, California
(650) 759-3866
srikanth.pagadala@gmail.com

Srikanth Pagadala

srikanthpagadala.github.io
github.com/srikanthpagadala
LinkedIn goo.gl/fVquDX

Technical Skills

Languages: Python, R, Java.
Frameworks/Libraries: scikit-learn, XGBoost, Keras, Tensorflow, OpenCV, caret, Apache Spark.
Other: Git/GitHub, Jupyter, PyDev, AWS.

Project Experience

Plot and Navigate a Virtual Maze - *goo.gl/J9epXz* *Nov 2016*

- Developed an AI robot that won 2016 World Micromouse Championship Maze.
- Evaluated in detail whopping 10 different kinds of AI algorithms to solve complex mazes.

Object Recog in CIFAR-10 with Convolutional Neural Networks - *goo.gl/xzBNua* *Nov 2016*

- Built a deep Convolutional Neural Network for object recognition in CIFAR-10 dataset.
- Tuned the model to achieve 81% accuracy, which is close to state of the art results.

Predict Sentiment From Movie Reviews - *goo.gl/UcTNRv* *Nov 2016*

- Harnessed word embedding for Natural Language Processing with Convolutional Neural Network to model Sentiment.
- Optimized the model by tuning hyperparameters and achieved 88% accuracy same as Stanford researchers.

Text Generation with LSTM Recurrent Neural Networks - *goo.gl/Mox80I* *Nov 2016*

- Developed generative model with Recurrent Neural Network to learn from Alice's Adventures in Wonderland.
- Generated a very plausible text sequences which look very realistic and copies the style from Lewis Carroll's work.

Work Experience

Cisco Systems - *Software Architect, Consultant* San Jose, CA | *Jan 2006-Mar 2016*

- Designed and implemented Cisco's IoT stack that collects data from endpoints and analyses with ML in real-time.
- Implemented from scratch extremely reliable and efficient transport layer for the IoT stack.
- Collaborated with other architects and engineers with very good engineering design documentation and code reviews.

Various Companies - *Architect & SSE* San Francisco Bay Area, CA | *Jun 2001-Jan 2006*

- Designed and implemented several applications using Spring, J2EE and LAMP stacks.
- Served as VP Engineering with a multi-functional team comprised of engineers, sales, and overseas QA team.

Education

Udacity - *AI for Robotics, Machine Learning Nanodegree, Self-Driving Car Nanodegree (in progress)* Oct, Nov, Present 2016
UC Berkeley - *Artificial Intelligence CS188* Oct 2016
Stanford University - *Machine Learning, Convolutional Neural Networks for Visual Recognition CS231n* Jun, Aug 2016
University of Toronto - *Neural Networks for Machine Learning* Jul 2016
UC San Diego - *Machine Learning With Big Data* Jun 2016
S.V.U College of Engineering - *B.Tech in Electronics and Communications Engineering* May 1998

Papers and other Activities

- Got invited by IIT Delhi to present my SW "Microprocessor Simulator" *Jan 1997*
- Paper "Pattern Recognition using Optical Neural Computers" *Mar 1996*
- Presented paper on "Robotics - Basics and Modern Dev" in college *Apr 1995*