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 a 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, the same as Stanford researchers.

Text Generation with LSTM Recurrent Neural Networks - *goo.gl/Mox8oI*   *Nov. 2016*

- Developed generative model with Recurrent Neural Network to learn from Alice's Adventures in Wonderland.
- Generated very plausible text sequences which look very realistic and copy 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 | *June 2001-Jan. 2006*

- Designed and implemented several applications using Spring, J2EE and LAMP stacks.
- Served as VP of 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*   Oct. 2016, Nov. 2016, Present

UC Berkeley - *Artificial Intelligence CS188*   Oct. 2016

Stanford University - *Machine Learning, Convolutional Neural Networks for Visual Recognition CS231n*   June 2016, Aug. 2016

University of Toronto - *Neural Networks for Machine Learning*   July 2016

UC San Diego - *Machine Learning With Big Data*   June 2016

S.V.U College of Engineering - *B.Tech in Electronics and Communications Engineering*   May 1998

Papers and other Activities

- 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*