Srikanth Pagadala

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TECHNICAL SKILLS

Languages: Python, Java, R
Frameworks: scikit-learn, xgboost, Keras, Tensorflow, OpenCV, Octave/Matlab, NLP with deep learning
Deep Nets: VggNet, UNet, Yolo, Faster R-CNN, SegNet
AI Platforms: Google Cloud ML, IBM Watson, Amazon AI, OpenAI Universe, DeepMind Lab, NVIDIA DIGITS
Big Data: Apache Spark, Hadoop Stack, Docker, Kafka, HBase, Storm, Postgres, CoreOS, Mesosphere, ELK
Kaggle: The Nature Conservancy Fisheries Monitoring (currently 498th/2000+), Data Science Bowl 2017 (wip)

PROFESSIONAL EXPERIENCE

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

- Architected, designed and implemented Cisco's SmartNet IoT stack that collects data from millions of endpoints and analyses big data with Machine Learning techniques in real-time. SmartNet is now a billion dollar revenue generating business for Cisco.
- Implemented an autonomous cluster management system that seamlessly manages nodes from Fog to Cloud.
- Collaborated with and managed a team of about 40 engineers - providing designs, mentoring and code reviewing.

MyDirectOffice. Foster City, CA *VP Engineering | Jan. 2004-Dec. 2006*

- Served as VP of Engineering with a multi-functional team comprised of engineers, sales, and overseas QA team.
- Developed a web-based CRM product for various small scale vertical markets.

Various Startup Companies. San Francisco Bay Area, CA *SSE & Architect | June. 2001-Jan. 2004*

- Designed and implemented several applications using Spring, J2EE and LAMP stacks.

PROJECT EXPERIENCE

Plot and Navigate a Virtual Maze *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.

Predict Sentiment From Movie Reviews *Nov. 2016*

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

Text Generation with LSTM Recurrent Neural Networks *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.

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 - ML, CNN for Visual Recognition CS231n, Deep Learning for NLP CS224d *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*

ADDITIONAL ACHIEVEMENTS

- Invited by IIT Delhi to present my SW "Robotics Simulator" *Jan. 1997*
- Presented paper on "Robotics" & "Pattern Recognition using Optical Neural Computers" in college *Apr. 1995, Mar. 1996*