Sudeep Raja Putta   sudeepraja.github.io

RESEARCH INTERESTS	Multi-Armed Bandits, Non-Convex Optimization, Statistical Learning Theory, Online Learning, Reinforcement Learning Theory, Approximation and Randomized Algorithms

EDUCATION

University of Massachusetts Amherst　　　　　　　　　September 2017 to present
　　College of Information and Computer Sciences UMass Amherst
　　M.S, Ph.D in Computer Science, GPA: 4.0/4.0
Indian Institute of Technology, Kharagpur　　　　　　　July 2012 to May 2016
　　Department of Computer Science and Engineering
　　B.Tech (Honors) in Computer Science and Engineering, GPA: 8.88/10.0

RESEARCH EXPERIENCE

Xerox Research Center India/Conduent Labs India　　　June 2016 to June 2017
　　Machine Learning and Statistics group, Algorithms and Optimization group
　　Budding Scientist
IBM Research Labs, Bangalore　　　　　　　　　　　　May 2015 to July 2015
　　Cognitive Solution Group
　　Internship
IIIT Hyderabad　　　　　　　　　　　　　　　　　　May 2014 to July 2014
　　Centre for Visual Information Technology
　　Internship

TEACHING EXPERIENCE

University of Massachusetts Amherst
　　Graduate Teaching Assistant
　　Problem Solving with the Internet COMPSCI 120　　　　　　　Fall 2017
　　Introduction to Programming with Python COMPSCI119　　　Spring 2018

PUBLICATIONS

1. **Sudeep Raja Putta**, Theja Tulabandhula "Pure Exploration in Episodic Fixed-Horizon Markov Decision Processes". *AAMAS 2017.*

2. **Sudeep Raja Putta**, Theja Tulabandhula "Efficient Reinforcement Learning via Initial Pure Exploration". *RLDM 2017.*

RELEVANT COURSES

At UMass: Graduate Machine Learning, Machine Learning Theory
At IIT: ML, Advanced ML, Algorithms-I and II, Advanced Topics in Algorithms, Computational Geometry, Computational Number Theory

CONFERENCES &WORKSHOPS ATTENDED

Neural Information Processing Systems (NIPS), Long Beach　　December 2017
Reinforcement Learning Summer School, University of Montreal　　　July 2017
Machine Learning Winter School at XRCI　　　　　　　　　December 2015

AWARDS AND HONOURS

Winner of Xerox Research Innovation Challenge 2015
Runners up at Microsoft Code Fun Do 2015
All India Rank 281 in Joint Entrance Exam conducted by IITs in 2012
All India Rank 63 in Engineering Entrance Examination conducted by CBSE in 2012

TECHNICAL EXPERIENCE

Programming　　　　　　　　　　　　　　　　　　　　　Python, C++, C
Packages　　　　　　　　　　Numpy, Scipy, Scikit-learn, Pytorch, Cvxpy

MISCELLANEOUS ACTIVITIES

Blogging about mathematics, machine learning and algorithms
　　http://sudeepraja.github.io/blog/
Computer Science Department Librarian for the academic year 2017-18