Pritha D Narayanappa

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Seeking fulltime employment opportunities starting January 2017.

EDUCATION

UNIVERSITY OF CALIFORNIA SANTA BARBARA

MS IN COMPUTER SCIENCE
Dec 2016 | Santa Barbara,CA
GPA: 4.0 / 4.0
Research Asst. SAND Lab
Advisor:Prof. Ben Y. Zhao
Conc. in Security, Machine Learning

PES INSTITUTE OF TECHNOLOGY

BE in Information Science
June 2011 | Bangalore, India
GPA: 9.47 / 10.0
Merit Scholarship all 4 years (Top 5/150)

LINKS

Github:// pritha90
LinkedIn:// PrithaDN
Quora:// Pritha-D-Narayanappa

COURSEWORK

GRADUATE

Applied Machine Learning
Distributed Systems
Applied Parallel Computing
Cryptography–Theory and Applications
Data and Knowledge Bases
Scalable Internet Services
Smartphone-centric Systems and Applications
Advanced Computer Networks

UNDERGRADUATE

Operating Systems
Data Mining
Computer Security
Computer Networks
Algorithms Design & Analysis
Database Systems

SKILLS

PROGRAMMING

Over 5000 lines:
• Java • C
Over 1000 lines:
• Android • Python • C++ • JavaScript
Familiar:
•Rails • iOS • MySQL
• MongoDB• CSS •Redis

EXPERIENCE

RIVERBED TECHNOLOGY | Software Development Intern

June 2016 – Sep 2016 | San Francisco, CA

- Developed a python library (with CLI and REST API wrappers) for configuration and management of Network Switches.

CITRIX SYSTEMS | Senior Software Engineer 1

July 2011 – Aug 2015 | Bangalore, India

- NetScaler Networking Team: Part of a three member team involved in the development of the Large Scale Network Address Translation (LSN) feature for protocols TCP, UDP, ICMP. (Language: C)
- NetScaler GUI Team: Developed a web-based mobile application - Android and iOS for monitoring a NetScaler Load balancer. (Language: JavaScript, HTML)

CISCO SYSTEMS | Software Development Intern

Jan 2010 – June 2010 | Bangalore, India

- Developed Python library to aid in the OS migration task on Cisco Routers.

PROJECTS

Solution for secure, anonymous, group communication on OSNs Developed a system (Android app, Chrome Plugin) that allows a group of users to share a Twitter account or Facebook page, without sharing the account password. A cryptographic token is appended to each post, which allows authenticity and integrity checks.

User Behavior Modeling on Financial Message Boards Crawled data from the InvestorsHub website(53K users and 5.6M posts). Employed Machine Learning techniques: PCA, Random Forest, K-Means, hierarchical clustering, to identify, cluster and infer roles of users exhibiting similar behavior.

Sync Inc - Implementation for Log Replication and Raft Consensus Implemented Wuu Bernstein's log replication protocol and Raft consensus protocol in Java. In a distributed system, it supports leader election and runtime configuration changes like addition, deletion or failure of nodes.

Quantifying the difference in performance of MLaaS Platforms Analysed the variance in performance when using a black-box vs parameter aware and parameter tuned approach to machine learning. ML as a service providers analysed were Azure ML, Google API, BigML.

Parallel KMeans using CUDA Implemented K-Means Clustering in C using CUDA. Observed maximum speedup of 104X.

AWARDS

2011	National	Google India Women in Engineering Award finalist
2010	2/300	Selected to attend International Summer University Program, HEIG-VD, Switzerland

PUBLICATIONS

1. Face recognition using a trichotomic combination of SVD, DF-LDA and LPP; ICCAE 2010, Singapore.
2. Face Recognition by Feedforward Neural Network using Laplacian of Gaussian filter and Singular Value Decomposition; ICIIC 2010, Bangalore, India.