Pritha D Narayanappa

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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

UNDERGRADUATE

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

PUBLICATIONS

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

SKILLS

PROGRAMMING

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

EXPERIENCE

Over 6 years of industry experience in Software Engineering.

RIVERBED TECHNOLOGY | MEMBER OF TECHNICAL STAFF
Jan 2017 – present | San Francisco, CA
(Software Development Intern, June 2016 – Sep 2016)
Network Performance Management Platform team(Python, C): Involved in the design, development and support of:
- Operating System and manageability software running on the SteelCentral product line, mainly dealing with Storage devices support, Network interfaces, SNMP support.
- Infrastructure tools and systems aimed at stress testing SteelCentral AppResponse.
- Tools to manage virtualization infrastructure (VMware and AWS)

CITRIX SYSTEMS | SENIOR SOFTWARE ENGINEER 1
July 2011 – Aug 2015 | Bangalore, India
- NetScaler Networking Team (C) Part of a three member team involved in the development of the Large Scale Network Address Translation (LSN) feature for protocols TCP, UDP, ICMP.
- NetScaler GUI Team (JavaScript, HTML) Developed a web-based mobile application (Android and iOS) for monitoring a NetScaler Load balancer.

CISCO SYSTEMS | SOFTWARE DEVELOPMENT INTERN
Jan 2010 – June 2010 | Bangalore, India
Tools written in Python to aid Network Engineers in the task of migrating routers from the IOS to XR Operating System.

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.

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 and deletion of nodes.

Quantifying the difference in performance of MLaaS Platforms
Analysed the variance in performance when using a black-box vs parameter aware and tuned approach to machine learning.

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 |