Abhishek Goswami

Software Engineer. Azure Machine Learning

abgoswam@gmail.com

Summary

I am a Software Development Engineer in the Azure Machine Learning team at Microsoft. I am working on User Interactive Systems (which derives concepts from Reinforcement Learning, Online Learning, Bandit Problems and Counterfactual Evaluation). I work on both the Data Science and Data Engineering aspects of the system.

I have previously worked in the areas of Behavioral Targeting in Ads (Bing Ads) and Load Balancing / Failover in Distributed Systems (Azure Service Fabric).

I received my Master's degree in Computer science from the State University of New York, Stony Brook, New York.

Experience

SDE 2. Azure Machine Learning at Microsoft

July 2015 - Present (1 year 6 months)

Team: Azure Machine Learning.

Projects:
- User Interactive Systems, Counterfactual Evaluation and Learning.
- Online Learning. Bandit Optimizations.
- Streaming Data Pipelines.

Technologies:
- Machine Learning, Distributed Systems, Databases, Azure. Spark, Hadoop, C#, Python, R, Scala, Web technologies.

SDE 2. Bing Ads at Microsoft

April 2013 - July 2015 (2 years 4 months)

Team: Behavioral Targeting.

Projects:
- Click Prediction, User Ad Relevance.
- User Segmentation, Behavioral Targeting.

Technologies:
• Machine Learning, Distributed Systems, Databases, Azure. C#, Python.

SDE, Microsoft Azure. at Microsoft
July 2011 - March 2013 (1 year 9 months)
Team : Azure Service Fabric.

Projects:
• Load Balancing and Failover of Service Replicas in a Distributed Cluster.

Technologies:
• Distributed Systems. Azure. C#

Research Assistant at Stony Brook University
January 2010 - July 2011 (1 year 7 months)
Team: Wings Lab. Research Assistant to Prof Samir Das.

Projects:
• Unsupervised Learning for Indoor Localization and Mapping
• Ad-Hoc Routing for Wireless Communication in Long-Distance Network Topologies.

Technologies:
• Machine Learning, Wireless Networks. C/C++

Software Developer at Cisco Systems
June 2007 - August 2009 (2 years 3 months)
Team: WiMesh. Wireless Networking Business Unit

Projects:
• Design and Implementation of WiMesh, a Multi-Radio Wireless Communication Platform.
• Optimal Channel Assignment in Multi-Radio Multi-Channel Wireless Networks.

Technologies:
• Wireless Networks. C/C++

Education

State University of New York at Stony Brook
Master of Science (M.S.), Machine Learning,, 2009 - 2011

Motilal Nehru National Institute Of Technology

Bachelor of Technology (B.Tech.), Computer Science, 2003 - 2007

Courses

Independent Coursework

Machine Learning	Coursera
Probabilistic Graphical Models	Coursera
Computational Investing	Coursera

Publications

WiGEM: A Learning-Based Approach for Indoor Localization

SIGCOMM. ACM CoNEXT '11 Proceedings of the Seventh Conference on Emerging Networking
 Experiments and Technologies. Tokyo, Japan.   November 2011

Authors: Abhishek Goswami, Luis Ortiz, Samir Das

Wireless Indoor Localization using Expectation-Maximization on Gaussian Mixture Models

Stony Brook University. NY, USA   May 2011

Authors: Abhishek Goswami

Entity Modeling With Real-Time Feedback Loops

MLADS Conference (Microsoft Internal)   November 17, 2016

Authors: Abhishek Goswami, Jignesh Parmar, Shahab Moradi, Gal Oshri

Patents

Enhanced Content Quality Using Content Features

United States Patent Application S/N 14/856,236

Inventors: Abhishek Goswami, Rohit Paravastu, WooHee Kwak

Exploit-Explore on Heterogeneous Data Streams

United States Patent Application -

Inventors: Abhishek Goswami, Jignesh Parmar, Sarthak Shah

Honors and Awards

Additional Honors & Awards

National Talent Search (NTS), Govt. Of India, 2001

Jagadish Bose National Science Talent Search (JBNSTS), Govt Of India, 2002

Mathematics Olympiad (Regionals 2000, 2002, 2003) MO Cell, North Eastern Region.India

Organizations

ACM SIGKDD Seattle Chapter

Member

http://sigkddseattle.acm.org/

Seattle Data Science and Data Engineering Meetup

Co-Founder

https://www.meetup.com/Seattle-Data-Science-and-Data-Engineering/

Skills & Expertise

Algorithms
Distributed Systems
Machine Learning
Data Mining
Data Structures
Databases
Object Oriented Design
Computer Science
SQL
Cloud Computing
Unix

Abhishek Goswami

Software Engineer. Azure Machine Learning

abgoswam@gmail.com

Linked in.

Contact Abhishek on LinkedIn