

# Aniket Chakrabarti

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Excited about solving impactful Natural Language Processing problems including Question Answering, Search Relevance, Language Modeling, Text Representation Learning, Multilingual Modeling using Deep Learning; 8+ years of industry experience and 6 years of academic research experience.

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**INFORMATION** <https://aniketc1.github.io>

**PROFESSIONAL** *Senior Applied Scientist, Amazon Alexa AI,* Jan 2022 - current  
**EXPERIENCE** *Seattle, USA*

*Senior Applied Scientist, Amazon India Machine Learning,* Feb 2020 - Jan 2022  
*Bengaluru, India*

*Applied Scientist 2, Microsoft Turing,* Jan 2019 - Jan 2020  
*Hyderabad, India*

*Applied Scientist 2, Microsoft Turing,* Aug 2017 - Jan 2019  
*Bellevue, USA*

*Software Development Engineer, Amazon - Global Financial Services,* Aug 2010 - Aug 2011  
*Hyderabad, India*

*Senior Engineer, Interra Systems,* Aug 2007 - Aug 2010  
*Kolkata, India*

**INTERNSHIP** *Research Intern, Microsoft Research, Redmond USA* May 2016 - Aug 2016  
**EXPERIENCE** *Research Intern, NEC Labs, Princeton USA* May 2015 - Aug 2015  
*Research Intern, HP Labs, Palo Alto USA* May 2014 - Aug 2014

**EDUCATION** **PhD**, Computer Science and Engineering  
The Ohio State University, Columbus, USA 2011 - 2017  
Advisors: Dr. Srinivasan Parthasarathy, Dr. Christopher Stewart

**MS**, Computer Science and Engineering  
The Ohio State University, Columbus, USA 2011 - 2015  
GPA: 3.975/4.0

**BE**, Information Technology  
Jadavpur University, Kolkata, India 2003 - 2007  
GPA: 9.15/10.0

**PUBLICATIONS** *Distantly Supervised Transformers For E-Commerce Product QA.* Happy Mittal, Aniket Chakrabarti,  
**& PATENTS** *Belhassen Bayar, Animesh Anant Sharma, Nikhil Rasiwasia. NAACL-HLT 2021.*

*Spread Sampling and Its Applications on Graphs.* Yu Wang, Bortik Bandyopadhyay, Vedang Patel, Aniket Chakrabarti, David Sivakoff, Srinivasan Parthasarathy. COMPLEX NETWORKS 2019.

*Detecting anomalous sensor data.* Manish Marwah, Aniket Chakrabarti, Martin Arlitt. Patent publication no. US 2018/0268264 A1. 2018.

*ColdRoute: effective routing of cold questions in stack exchange sites.* Jiankai Sun, Abhinav Vishnu, Aniket Chakrabarti, Charles Siegel, Srinivasan Parthasarathy. ECML-PKDD 2018.

*Spread Sampling for Graphs: Theory and Applications.* Yu Wang, Bortik Bandyopadhyay, Aniket Chakrabarti, David Sivakoff, Srinivasan Parthasarathy. KDD Workshops 2018.

*A Pareto Framework for Data Analytics on Heterogeneous Systems: Implications for Green Energy Usage and Performance.* Aniket Chakrabarti, Srinivasan Parthasarathy, Christopher Stewart. ICPP 2017.

*Hierarchical Change Point Detection on Dynamic Networks.* Yu Wang, Aniket Chakrabarti, David Sivakoff, Srinivasan Parthasarathy. WebSci 2017.

*Fast Change Point Detection on Dynamic Social Networks.* Yu Wang, Aniket Chakrabarti, David Sivakoff, Srinivasan Parthasarathy. IJCAI 2017.

*Synthesizing a graph.* Manish Marwah, Aniket Chakrabarti, Martin Arlitt. Patent publication no. WO 2016/122561 A1. 2016.

*D-STHARK: Evaluating Dynamic Scheduling of Tasks in Hybrid Simulated Architectures.* Svyo Toledo, Danilo Melo, Guilherme Andrade, Fernando Mouro, Aniket Chakrabarti, Renato Ferreira, Srinivasan Parthasarathy, Leonardo Rocha. ICCS 2016.

*Robust Anomaly Detection for Large-scale Sensor Data.* Aniket Chakrabarti, Manish Marwah, Martin Arlitt. ACM BuildSys 2016.

*Topological Graph Sketching for Incremental and Scalable Analytics.* Bortik Bandyopadhyay, David Fuhry, Aniket Chakrabarti and Srinivasan Parthasarathy. CIKM 2016.

*Improving Locality Sensitive Hashing Based Similarity Search and Estimation for Kernels.* Aniket Chakrabarti, Bortik Bandyopadhyay and Srinivasan Parthasarathy. ECML-PKDD 2016.

*Heterogeneity- and Green- Aware Partitioning for Data Analytics.* Aniket Chakrabarti, Srinivasan Parthasarathy and Christopher Stewart. Infocom Workshops 2016.

*A Bayesian Perspective on Locality Sensitive Hashing with Extensions for Kernel Methods.* Aniket Chakrabarti, Venu Satuluri, Atreya Srivathsan and Srinivasan Parthasarathy. TKDD 2015.

*Sequential Hypothesis Tests for Adaptive Locality Sensitive Hashing.* Aniket Chakrabarti and Srinivasan Parthasarathy. WWW 2015.

*Zoolander: Efficiently meeting very strict, low-latency SLOs.* Christopher Stewart, Aniket Chakrabarti and Rean Griffith. ICAC 2013.

*Zoolander: Efficient Latency Management in NoSQL Stores.* Aniket Chakrabarti, Christopher Stewart, Daiyi Yang and Rean Griffith. Poster, Middleware 2012.

**PROFESSIONAL Journal Editorial Board: DMKD SERVICES**

**Program Committee:** KDD 18,19,20,21,22 SIGIR 20,21,22 WSDM 21, IJCAI 20, SISAP 18,19,20, HiPC 2019, DSAA 18,19, CIKM 17,18, SmartGridComm 2018, WWW 2017

**Reviewer:** ECML-PKDD, TKDE, TKDD, Pattern Recognition Letters, DAPD, VLDB Journal, TSAS, TDS

## **HONORS**

B. Chandrasekaran & Sandra Mamrak Graduate Research Award, Computer Science & Engineering, The Ohio State University, 2017

Best student project award for “Digital Image Watermarking Based on the Vector Quantization Technique”, Jadavpur University, 2007