

## AKASH SINGH

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Stockholm, Sweden

Nationality: Indian

Birth Date: 13-06-1986

[LinkedIn](#), [GitHub](#)

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## EDUCATION

2015 - 2017

**TU Eindhoven, Netherlands & KTH Royal Institute of Technology, Sweden**

- [EIT Digital Masters in Data Science](#)
- Major in **Data Science**, minor in **Entrepreneurship & Innovation**
- Specialization: Distributed Systems and Data Mining for Big Data.
- Recipient of EIT Digital Excellence Scholarship.

2007 - 2010

**Guru Gobind Singh Indraprastha University, Delhi, India**

- Masters of Computer Applications (Software Engineering).

2004 - 2007

**University of Delhi, India**

- B.Sc. (Honors) Computer Science.

## WORK EXPERIENCE

01.2017 – Present

**Student Researcher, Ericsson Research, Sweden**

- Master Thesis with Machine Learning group at Ericsson Research, Stockholm.
- Anomaly Detection for high dimensional time series using deep learning and Gaussian Processes.

05.2013 - 07.2015

**Lead Engineer, [99acres.com](#) ([Info Edge India Ltd](#)), India**

A part of 99acres' search and analytics team. Tasks included managing 99acres' search system, data analysis, machine learning and data visualization. Technologies used included JAVA, R, Apache Solr, MongoDB, MapReduce, PHP. The major projects I worked on at 99acres are:

- **Search Rank Framework:**
  - Built a framework for computing search rank scores of real estate listings.
  - The search rank algorithm balances buyers' and sellers' concerns with the monetization needs of the business. This involved modeling click-response and listing quality, formulating lead demand/generation, defining metrics, A/B testing etc.
  - Improved revenues from search feature by 10%.
- **Click-Through Rate Prediction:**

This project involved deriving a power-law equation for predicting the click-through rate of a search listing.
- **99acres Search**

Implemented 99acres' search flow by using Apache Solr, Named Entity Recognition, and spell-checker to convert a free text query to a parametrized search query.
- **Spam Classification using Naive-Bayes:**

Developed a spam-filter to filter out listings with discriminatory content.

03.2012 - 05.2013

**Applications Engineer, [Oracle](#), India.**

- Developer in [Oracle Fusion Product Information Management \(PIM\)](#) Team.

- Worked in agile teams and followed Test Driven Development.
- Implemented various features in the Product Change Management workflow.
- Technologies: Java, ADF, Linux, SQL, WebLogic, Junit.

**10.2010 - 03.2012 Associate Software Engineer, [CSC](#), India.**

- Worked as a full stack java developer in projects for insurance organizations including American Family Insurance, and New York Life Insurance.
- Technologies: Java, Struts, Spring, Java Script, CSS, HTML.

## **CERTIFICATIONS**

- Professional Education Certification in Machine Learning from Georgia Institute of Technology.
- Data Analysis: MOOC by Johns Hopkins University( via Coursera).
- Machine Learning: MOOC by Stanford University (via Coursera).
- M102: MongoDB for DBAs by MongoDB University.
- Sun Certified Java Programmer by Sun Microsystems.

## **TECHNICAL SKILLS**

- Machine Learning, Deep Learning, Data Mining, Information Retrieval, Data Analysis, Web Development
- Java, Python, R, Scala
- Apache Spark, TensorFlow, MXNet, Apache Hadoop, Apache Solr, MongoDB

## **AWARDS & RECOGNITIONS**

- EIT Digital Excellence Scholarship.
- Certificate of Merit: For second position in Java Programming Competition at USIT, GGS Indraprastha University, 2009.
- Certificate of Merit: Awarded by PGDAV College, Delhi University for standing second in college in first year examination of B.Sc. (Hons.) Computer Science in 2005-06.

## **LANGUAGES**

- Hindi: Native Language
- English: Fluent in Reading, Writing and Speaking. IELTS Academic Band 8.

## **INTERESTS**

- Movies, Cooking, Literary Fiction
- Football, Running, Rowing