

# Prasanjit Barua

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## EMPLOYMENT

Software Engineer (YouTube Data)	Google	February 2015 - May 2017
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- Designed and implemented a distributed, scalable realtime log tailing and tracking tool for processed YouTube session logs. This tool allows internal developers to track and analyze logging data within few minutes, whereas previously it used to take around 2 days. This tool is extensively used for launching new logging infrastructure of YouTube service like YouTube Red, YouTube TV etc. (Golang)
- Designed and implemented the system for reporting YouTube Analytics traffic source data. The traffic source report provides creators insight about the sites and YouTube features viewers use to find and engage (i.e. like, subscription) with creators content. (C++, Golang)
- Implemented the daily pipeline to scrub privacy sensitive data from YouTube user activity feed. (Flume C++)
- Ongoing maintenance of YouTube production systems and quality of YouTube logging data.

## EDUCATION

- B.Sc. in Computer Science and Engineering (2009-2014)  
**Bangladesh University of Engineering and Technology**  
Major: Machine Learning and Pattern Recognition  
Undergraduate Thesis: Content based image retrieval based on User's relevance feedback.

## SKILLS

- Data driven, meticulous, generalist.
- Strong background on algorithms and data structures.
- Proficient with *C, C++, Golang*. Comfortable with *Java, Python and PHP*. Familiar with Prolog, Assembly, *JavaScript, bash*.
- Big Data and related technologies like MapReduce, Flume, GFS/HDFS, Protocol Buffer, Bigtable etc.
- Tools: MATLAB, Netbeans, Oracle RDBMS, MySQL, XAMPP.

## ACHIEVEMENTS

- YouTube Awesome cup Q1 2016 for launching Youtube realtime session tracker.
- Google code readability for Golang and C++.
- Several Spot and peer bonus in Google for launching new features.

## PROGRAMMING COMPETITION AWARDS

38th ACM International Collegiate Programming Contest, World Finals One of the 122 teams from across the world	19th	2014
37th ACM International Collegiate Programming Contest, World Finals One of the 120 teams from across the world	Honorable Mention	2013
ACM International Collegiate Programming Contest, Dhaka Regional	1st Runner Up	2013, 2012

## REFERENCES

- Dr. M. Kaykobad, Professor, Department of CSE, BUET ([kaykobad@cse.buet.ac.bd](mailto:kaykobad@cse.buet.ac.bd))
- Suhash Venkatesh, Senior Software Engineer, Google ([suhash.venkatesh@gmail.com](mailto:suhash.venkatesh@gmail.com))