

MUZAMMIL HUSSAIN

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Profile Expertise in Internet of Things and Recommendations Systems.
PhD degree in Computer Science from University of Oxford.
Work experience at Xerox PARC, USA and Samsung Electronics, India.
Senior Member, IEEE and ACM.

Skills

Internet of Things

CoAP, MQTT, LWM2M, 6LoWPAN, Indoor Localization, Context-aware/Location-aware computing, Embedded Programming, Wireless Personal Area Networks (WPANs [802.15.4] – Bluetooth Low Energy, Zigbee, Visible Light Communication), TinyOS, Contiki

Machine Learning/Estimation

Support-vector machines, Bayesian Inference, Logistic regression, Random forests, Nearest Neighbours, Maximum Likelihood, Kalman Filters, Particle Filters, Collaborative Filtering

Distributed Computing

MapReduce, Hadoop, Spark, Kafka, Zookeeper, Solr, Cassandra, MongoDB.

Programming

C, C++, Java, Python, Scala.

Experience

Samsung Electronics

2013-Present

Chief Engineer

Lead for Data Analytics/Search for Samsung Smart TV services.
Management of academic/research collaborations.

Xerox PARC

2012-2013

Research Intern

Research on the quality of Location Based Social Network (LBSN) data, collaborative filtering, augmenting GPS traces with LBSN data.

Cambridge Silicon Radio (formerly Ubinetics)

2003-2005

Software Engineer

Implementation and testing of the Common Access Stratum (CAS) of a dual mode GSM/GPRS-WCDMA cellular protocol stack.

<i>Education</i>	University of Oxford, UK PhD, Computer Science	2008-2013
	SUNY Buffalo, USA MS, Computer Science and Engg. 3.8/4.0	2005-2008
	BMS College of Engineering, India BE, Computer Science and Engg. 76% First Class with Distinction	1998-2002
