
<i>Degree</i>	<i>University</i>	<i>Year and Grade</i>
M.Phil. in Computer Science and Engineering	Hong Kong University of Science and Technology	2018 <i>Expected</i>
MSc. In Information Technology	Hong Kong University of Science and Technology	2015 (3.75/4.3)
B. Tech in Computer Engineering	Jamia Millia Islamia, New Delhi, India	2014 (9.36/10)

- Graduate researcher at Visual analytics and machine learning group at HKUST
- Teaching assistant for Introduction to computer science and VBA, for undergraduate students. (2016)
- Recipient of Post graduate student scholarship (2016)
- Multiple publications in the top academic conferences including IEEE & Springer

WORK EXPERIENCE

Thales Group, Global Aerospace, Defense, Transportation and Security conglomerate (Fortune 500)

Research and Development Engineer

05/2015 – 04/2016

- Lead discussions with executives from MTR to identify big data requirements and implement a solution.
 - Design & develop passenger movement and crowd analytics big data system for Hong Kong MTR.
 - Simulate passenger flows using machine learning algorithms to identify critical links in the rail network.
 - Analytics platform processes more than 10 million Octopus transactions daily. (Scala & Python)
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Multimedia Technology Research Center, Research sponsored by HP, Boeing and Ruckless Wireless.

The Hong Kong University of Science and Technology

Research Assistant

12/2014 – 02/2015

- Building communication systems for effective reporting and remote management of Wi-Fi networks.
 - Design protocol and methods for remote invocation of commands on routers reliably, massively scalable architecture could handle hundreds of devices at the same time.
 - Create web based monitoring and configuration tool for routers at multiple locations. (C++ & Python)
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Google, Prominent search engine

Summer of Code Intern(GSOC)

04/2014 – 08/2014

- Architect and build virtual classroom platform for Fedora OS community.
 - Product design was done with a strong focus on media delivery using screencasts and videos.
 - Project accepted into the official Fedora Infrastructure repository for packaging. (Python/ Web)
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LEADERSHIP ROLES

Vice President, Students Union

Jamia Millia Islamia, New Delhi

07/2014 – 04/2015

- Vice president of/for the university Student union with more than 20,000 students.
 - Organized events over the year including a Mega Cultural Festival with more than 15,000 people in attendance.
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Head Technical Affairs, Computer Society of India

Jamia Millia Islamia, New Delhi

08/2014 – 03/2015

- Organized multiple technical lectures, technology induction workshops for students and regional technology meetups throughout the year.
 - Manage technology infrastructure for the society including Online Magazine, Website and Cloud Storage.
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AWARDS AND PARTICIPATIONS

- Finalist out of 200 international teams in the Million Dollar Entrepreneurship competition at HKUST.
 - First Runner Up in the HKUST mobile design competition.
 - First prize at GSF hack India, one of the largest Hackathons in India. Participant and finalist of many Hackathons, including HackUST, Google Hack New Delhi, Facebook KRDS hack and PeerHack India.
 - Core member of Venture Entrepreneurship network strong focus design thinking and entrepreneurship.
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OTHER SKILLS

- **Technical:** C/C++, Python, VBA, Java, Scala, GIT, HTML, Spark, Hadoop, Machine learning, Amazon web services (AWS) & Linux
- **Language:** English, Hindi