

EDUCATION

HARVARD UNIVERSITY

Cambridge, MA, USA

S.M. (Master of Science), Computational Science and Engineering

2016-2017

- Graduated at the top of my class with **GPA 4/4**
- Cross-registered with **MASSACHUSETTS INSTITUTE OF TECHNOLOGY(MIT)** for Machine Learning

INDIAN INSTITUTE OF TECHNOLOGY, JODHPUR

Jodhpur, India

Bachelor of Technology, Computer Science and Engineering

2011-2015

- Graduated at the **top** of my class (150) with **GPA 9.95/10**
- Awarded **President's Gold Medal** for the best academic performance

AISSCE (ALL INDIA SENIOR SCHOOL CERTIFICATE EXAMINATION)

Jodhpur, India

Central Board of Secondary Education(CBSE), Delhi Public School, Jodhpur

2010

- Scored **95.6%** securing position in **TOP 10** students in India

Secondary Examination

Rajasthan Board of Secondary Education(RBSE)

India

- Scored **94.17%** securing **11th merit position** amongst 900,000 students.

2008

EXPERIENCE

MICROSOFT RESEARCH INDIA LAB

Research Software Engineer II

Feb 2018-Present

Working on Project [Sankie](#)

- Helped build recommendation systems to help improve developers productivity
- Built end-to-end system(REX) for detecting misconfigurations using correlated change analysis which has been deployed to 100,000 repositories within Microsoft. The model helped detect 5000 misconfigurations in 10 months
- Developed Test-Selection Models for 22 large scale services within Microsoft that could save 15-30% COGS

MICROSOFT INDIA DEVELOPMENT CENTER (R&D)

Jul 2017-Feb 2018

Software Engineer(Machine Learning) in Bing Ads Team

Improved models for click prediction and deployed the improved version to the second largest market for Bing outside the US.

Software Engineer in System Centre Virtual Machine Manager Team

Jun 2015-Jul 2016

- Implemented allocation of cloud storage for different tenants from the same pool for Hyperconverged System
- Worked on Windows Storage Replica and Quality of Service, two important features of SCVMM-Storage 2016

HARVARD UNIVERSITY

Aug 2016-May 2017

Teaching Fellow(TF)

Worked as TF for graduate course - Systems Development for Computational Science and undergrad course - Biomedical Engineering

MICROSOFT INDIA (R&D) - Internship

May 2014-July 2014

Software Engineering Intern

- Developed Azure Mobile Services Adapter for Biztalk Services along with a demo app

ACADEMIC ACHIEVEMENTS

- Finalist for the WomenTech Network *Rising Star in STEM of the Year Global Award 2020*
- *President's Gold Medal* for the best academic performance amongst all engg. streams of undergraduate program at IITJ
- *Proficiency Medal* for the best academic performance in Computer Science and Engineering stream at IIT Jodhpur
- *Academic Excellence Award* for the best academic performance for the first three consecutive years in B.Tech.
- *Silver Medal* for securing 11th position in top 15 out of 900,000 students in secondary examination 2008
- *Best Student* of the year 2008 awarded to the student with the best overall performance
- *Brilliant Student Award* by Hon'ble Pratibha Patil (Ex. President of India) in the year 2006.

PUBLICATIONS/PATENTS

- [Rex: Preventing Bugs and Misconfiguration in Large Services Using Correlated Change Analysis](#)
S. Mehta, R. Bhagwan, R. Kumar, C. Bansal, C. Maddila, B. Ashok, S. Asthana, C. Bird, A. Kumar
USENIX Symposium on Networked Systems Design and Implementation (NSDI) 2020
(Patent Filed)
- **WhoDo: automating reviewer suggestions at scale**
S. Asthana, R.Kumar, R.Bhagwan, C. Bird, C. Bansal, C. Maddila, S. Mehta, B. Ashok
Symposium on the Foundations of Software Engineering (FSE) 2019