

# Hasan Rizvi

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Github://[hasanrizvi15](#) | LinkedIn://[hasanrizvi15](#)

## Education

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**Illinois Institute of Technology (IIT)**, Chicago, IL

**Expected. May 2019**

Bachelor of Science in Computer Science, minor in Applied Mathematics

**GPA: 4.00/4.00**

**Relevant Coursework:** Algorithms, Data Structures, Software Engineering, Database, Systems Programming

## Experience

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### Teaching Assistant

**August 2017 – Present**

Department of Computer Science, IIT

CS350: Computer Organization and Assembly Language Programming, Spring 2018

- Assist in lower level C programming language and LC-3 assembly programming labs

CS201: Accelerated Introduction to Computer Science, Fall 2017

- Supervised coding labs, tutor students on Object Oriented Principles in Java.

### Peer Computer Science Scholar/ Tutor

**January 2018 – Present**

Academic Resource Center, IIT

- Provide peer-to-peer and group tutoring for computer science courses

### Student Researcher

**June 2017 – Nov 2017**

Data-Intensive Distributed Systems Laboratory, Department of Computer Science, IIT

- Researched on Linux systems, high performance Computing (HPC), supercomputing and distributed systems.
- Profiled, and optimized scientific applications/benchmarks on high performance multi-node and many-core clusters.
- Configured bare-metal or virtual machines on in-house hardware and on the cloud (Chameleon Cloud, Azure)

## Projects

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**BOSSA – Interprofessional Project**, IIT Real Time Communications Lab - [api.iitrtclab.com](http://api.iitrtclab.com)

Finetuned and partially redesigned the Bluetooth assisted indoor location and atmosphere data API, with a team of students, for IIT facilities department to make it compatible with a new database. Analyzed location algorithm for areas of optimization

**FineAnalyzer**, MHacksX – University of Michigan Hackathon

Analyzed consumer behavior data in social media using Python to identify potential customers for targeted ads depending on consumer activity (type and frequency), product category, and sentiment of the expression, etc.

**NSFW Blocker**, WildHacks – Northwestern University Hackathon

Chrome extension filters webpages for NSFW images with image recognition. Learnt about the chrome extension architecture.

## Skills

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**Development:** Back-end, Front-end, Databases, Android

**Tools:** git, vim, Android Studio, Linux, bash; GNU/Intel compilers

**Programming Languages:** Python, Java, C, HTML/CSS, JavaScript, C#

**Natural Languages:** English (Fluent), Urdu (Fluent)

## Honors

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**Student Cluster Competition @ Supercomputing Conference 2017 (SCC@SC17)**

Chicago Team, **second** place in North America, mentored by IIT, UChicago, Northwestern faculty and Argonne (ANL) scientists.

**College of Science Dean's list**, Excellent scholarly achievement in Fall '16, Spring '17 and Fall '17.

**National Mathematics Talent Competition**, Among **top 15** students all over Pakistan, 2016

## Leadership and Involvement

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**Secretary**, Upsilon Pi Epsilon (UPE): Computer Science Honor Society @ IIT

**August 2017 – Present**

**Treasurer**, Commuters Student Association @ IIT

**August 2017 – Present**

**Member**, Association for Computing Machinery (ACM) @ IIT

**August 2016 – Present**