

# Ujjwal Arora

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## Education

### Georgia Institute of Technology | M.S. COMPUTER SCIENCE

Atlanta, GA

- Course Taken: Computer Vision, Artificial Intelligence, ML for Trading, and Data & Visual Analytics.

Aug. 2018 - PRESENT

### Manipal Institute of Technology | B.TECH. INFORMATION TECHNOLOGY

Manipal, India

- CGPA: 9.18
- Academic Excellence Award, 2017 and 2018.

Aug. 2014 - Jul. 2018

## Work Experience

### Citrix | SOFTWARE ENGINEERING INTERN | ANDROID, iOS, UIAUTOMATOR, ROBOT FRAMEWORK, NODE, ANGULAR5

Bangalore, India

- Helped improve the reliability of XenMobile BVT and FVT by solving challenges pertaining to application testing and automation.
- Created mobile application modules that covered all the third-party interactions with Citrix XenMobile applications which helped reduce effort required for building test cases and made the existing tests more robust.
- Developed a dashboard application that allowed XenMobile managers, developers, and stakeholders to gauge the status of daily test suite runs.

Jan. 2018 - Jun. 2018

### Google Summer of Code | STUDENT DEVELOPER | PHP, JAVASCRIPT

Remote

- Designed and developed a replacement calendar and scheduling module for LibreHealthEHR.
- This also involved removal of references to legacy modules, isolation of the SMARTY template engine, and writing database migration scripts.

May. 2017 - Aug. 2017

## Projects

### Local Feature Matcher | COMPUTER VISION, PYTHON

- Implemented corner detection algorithm based Harris et al. (1988), along with adaptive non-maximal suppression to get good spacial distribution of features.
- Uses SIFT-like feature descriptors and features are matched on the basis of nearest neighbor distance ratio.

Aug. 2018

### Who's Up?! | ANDROID, WINDOWS PHONE

- A social app which acts as virtual notice board for strangers to signal when they're free for an impromptu meet up or activity.
- Originally made for Windows Phone during Microsoft's code.fun.do Hackathon.

Apr. 2017

### GoT Twitter Stream | JAVASCRIPT, NODE, REACT

- A real time twitter stream client built using Node and React.
- Tweets are initially rendered on the server-side; any new tweets that come in are emitted via Socket.io.

Jul. 2016

## Extracurricular Activity

### Teach Code for Good | PYTHON INSTRUCTOR

- A student run social venture which aims to empower children from at-risk backgrounds, create interest in coding, and increase opportunities for education and employment.

2016 - 2017

### MIST (Manipal Information Security Team) | TECH. SEC.

- Founding member of the club created in order to create awareness about network and information security.
- Single-handedly designed and developed the society website in Angular.

2016 - 2017

## Skills

<b>Languages</b>	Java, Python, JavaScript, SQL, MongoDB, C/C++, Swift, PHP, R, HTML5, CSS3
<b>Technologies</b>	Android, Node.js, Express, Angular5, Flask, iOS, Firebase
<b>Other Stuff</b>	Computer Vision, Machine Learning, Git, Latex, Photoshop