

# UTKARSH

Email: [uutkarsh@asu.edu](mailto:uutkarsh@asu.edu)

LinkedIn - <https://www.linkedin.com/in/uutkarsh>

Phone No: (480) 270-0174

## EDUCATION

- **Masters of Science (MCS)** in Computer Science August 2016 - May 2018 (Expected)  
Ira A. Fulton School of Engineering, Arizona state University, Tempe. GPA – 3.44
- **Bachelors of Technology (B.Tech.)** in Computer Science & Engineering August 2008 - May 2012  
Jaypee University of Engineering and Technology (JUET), Guna, India. GPA – 7.4 / 10 (78%)

## TECHNICAL SKILLS:

**Programming Languages** : Java, C++, C, R, Python  
**Operating systems** : Windows, Mac OS, Linux, iOS, Android  
**Application Software** : Microsoft Office, Adobe Photoshop, Gimp, MS-Excel, MS-PowerPoint  
**Technical Software /IDE** : HP ALM, Visual Studio, Appium, Eclipse, Atlassian JIRA, Selenium, Github, MATLAB, Nginx, Android Studio, Jenkins  
**Testing Frameworks** : TestNG, Junit, Jmeter  
**Web Designing** : HTML5, CSS3, Javascript, Bootstrap, AngularJS, NodeJS

## WORK EXPERIENCE:

**Information Security and Risk Intern: ON Semiconductor, Phoenix, USA** Jan 2018 – Present

- Building in-house framework to automate the configuration, updating and installation of firewalls and their report generation and logging system, therefore, reducing the manual effort by an approximate 50%.

**Senior Systems Engineer: Infosys Limited, Chandigarh, India** July 2012 – Jul 2016

- 4+ years of experience in Software Development/QE development-testing (both mobile and web) in various capacities on iOS/Windows platforms in Web Based Browsers and 3+ years of experience in QE development-testing of hybrid, web and native mobile applications on iOS/Android using multiple different resolution devices. Solid understanding of algorithm design and data structures.
- Extensive experience in all phases of software development life cycle (SDLC) including business requirements gathering, scheduling, project planning, test plans, test cases, test scenarios and test reports, risk analysis, defect tracking, management and reporting.
- Delivered an E2E Full Cycle Agile Product Testing of 2 mobile applications and 2 browser websites (Desktop and Mobile) in the client server Model from Requirements to Release. The apps got featured in Top free apps and received excellent reviews from customers.
- 3+ years of experience on diverse automation tools and open source tools and developing automation frameworks.
- Awarded “**Star Innovation Award**” by a Canadian client for presenting and implementing the idea of “Developing automation suite for native mobile applications”, thereby reducing manual testing effort up to 70%.
- Developed and deployed web pages for 10+ products for the world’s biggest pharmaceutical client. Received excellent feedback from client as it brought more than 20 million of business within 6 months. Received “**DYNAMO Award**” from Delivery head for multiple bug free releases. Got excellent rating from client for demanding work during crunch deadlines and uninterrupted support.

**Graduate Research Intern: FACT Lab, ASU, Tempe, USA** June 2017 – Aug 2017

- Automating Regression suite by developing an in-house framework implemented using Selenium and reducing effort by 80%.

## PROJECTS:

**Desktop/Mobile Website Quality Assurance, Infosys Limited, Chandigarh, India** Sep 2015 – July 2016

- Defect management, requirement analysis, development and execution of E2E test cases and scenarios for the world’s largest retail client.
- Implementation of testing strategies (sanity, compatibility, regression and adhoc) on multiple devices with Android and iOS operating system, having different resolutions, to analyse the performance of the website.
- Team handling, client communication and leading triage calls during the life cycle of the product.

**Automation Testing of Native Applications using Appium and Selenium and TestNG, Infosys Limited, Chandigarh, India** July 2013 – Aug 2015

- Developing automation scripts using test driven development for web and mobile devices using Selenium, Appium along with Java using Document Object model. Worked towards developing an in-house automation framework
- Responsible for estimating, coordinating and assigning tasks a team of 5 members to design, document, develop and execute test plans.
- Usage and analysis of automation frameworks and tools for developing test suite and integration with Jenkins for Scheduled execution.
- Execution of scripts on multiple mobile OS like Android, iOS and using TestNG framework for report generation.

**Front end development of Html5 based Web Pages, Infosys Limited, Chandigarh, India** Jul 2012 – Jun 2013

- Development of web pages using html5, css3 and javascript specifically for iPad, for the world’s biggest pharmaceutical client.
- Coding, unit testing and build/release management using salesforce tool.
- Using photoshop to extract images from client provided psd files to be used in the web pages

## ACADEMIC PROJECTS:

**Visualizing the Causes and Effects of Climate Change, Arizona State University, Tempe, USA** Jan 2017 – Apr 2017

- Dataset creation by collecting data from multiple sources and performing data cleaning and data pre-processing.
- Visualization development using D3.js and deployment of visualizations on Web server.

**Cloud Based Management as PaaS, Arizona State University, Tempe, USA** Aug 2016 – Dec 2016

- Development of Web Interface using HTML, CSS and Javascript, REST API’s using Spring.
- Deployment of Nginx tool as a load balancer, creation of Python script for analysing load.
- Creation of JMeter scripts for performance testing of the server and using Scala-based library as a tool for image processing.

**Application of Data Mining Algorithms on Real-world Problems, Arizona State University, Tempe, USA** Aug 2016 – Dec 2016

- Application of various classifiers on datasets like Neural network classifier, Support Vector Machine classifier using MATLAB.
- Application of the k-means clustering algorithm and ensemble-based classification on real-world problems.

## VOLUNTEER EXPERIENCE:

**Student Member: Coalition of International Students, ASU, USA**

- Worked on various issues affecting international students like safety concerns, legal troubles etc. and coordinated with various student and university committees to address diversity issues and cultural needs of students.

**Teacher: Arpan Padhai, Infosys Limited, India**

- Taught Mathematics to underprivileged elementary school students.