# Archit Srivastava

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## EXPERIENCE

### MICROSOFT | Software Developer Intern
May 2015 – July 2015 | Hyderabad, India

- Created an **AutoBVT tool** for service level functional BVT validation for the VLCM team
- Reduced pre-production and production scenario testing times from **4 hours** to **10 minutes** and paved the way for weekly releases for the SwE team.
- Designed a scalable and extensible architecture that allowed parallel execution of tests on configurable test scenarios across multiple environments. In production

### PRECOG, RESEARCH GROUP AT IIIT DELHI | Research Associate
May 2014 – Present | New Delhi, India

- Developed an enterprise tool for forensic analysis of social media data using big data technologies.
- Designed algorithms for distributed computations using *Apache Storm* and corresponding visualizations from various social networks (Facebook, Twitter, Google+, Instagram, etc).
- The project is funded by the **Department of Electronics and Information Technology, Government of India** and is actively being used by around 50+ national agencies.

## RESEARCH

### USC INFORMATION SCIENCES INSTITUTE | Student Researcher
Aug 2016 – Present | Los Angeles, CA

Producing insights by correlating emotions and social ties on online social media in Santa Monica, LA to create a digital observatory for monitoring the well-being.

### USC GAMEPIPE LABS | Directed Research
Aug 2016 – Present | Los Angeles, CA

Working with **Prof Scott Easley** to design video game levels through Deep Machine Learning

### GESTURE RECOGNITION THROUGH ACCELEROMETER DATA | Undergrad. Research thesis
Sept 2015 – Mar 2016 | NIT Durgapur

Built a low-training gesture recognition method to recognize hand motion gestures through accelerometer data on mobile devices.

## PROJECTS

### DATA SCIENCE FOR SOCIAL GOOD | Recovery groups identification
Mar 2016

Worked on automated identification and characterization of the presence of alcoholics|narcotics anonymous(AA|NA) recovery groups on social networking platforms.

### ONLINE COMPILER JUDGE | NIT Durgapur
Jan 2015 – Feb 2016

Built using **RoR** and **Docker.io** for hosting several college level international coding competitions in a kernel-level sandboxed environment for a variety of languages. Adopted by the CS department.

### VIRTUAL ASSISTANT USING CMUSPHINX | Individual Project
Jan 2015

Conceived a virtual desktop assistant using CMUSphinx library which recognizes dedicated voice commands and translates them to user actions.

## EDUCATION

### UNIVERSITY OF SOUTHERN CALIFORNIA
Master's in Computer Science
Expected May 2018 | Los Angeles, CA
Viterbi School of Engineering
Relevant Coursework: Foundations of Artificial Intelligence, Analysis of Algorithms

### NATIONAL INSTITUTE OF TECHNOLOGY
BTech in Information Technology
May 2016 | Durgapur, India
Cum. GPA: 9.04 / 10.0

## SKILLS

### PROGRAMMING
Advanced:
C/C++ • C# • Ruby • JavaScript • HTML/CSS • Python
Intermediate:
Java • SQL • LaTeX
Basic:
Shell • Assembly • PHP
Platforms/Frameworks:
Rails • Windows • Linux • Bootstrap • D3.js Library • CMUSphinx • Docker.io • Apache Storm • NLTK • Celery
Tools:
Git • Visual Studio • Eclipse • Adobe Photoshop CS4 • Matlab/Octave • MongoDB

## EXTRA CURRICULARS

### 2015 & 2014 & 2013
ACM ICPC Regionals
Secured ranks 67th/1521, 122nd/1455, 229th/1642

### MICROSOFT CERTIFICATION
C# & .NET Fundamentals

### 2013 – 2014
Co-Founder | Design and Content Manager
**Find A Way** - student led registered NGO which aims to use technology to help the underprivileged

### 2014
Columnist at The 'Zine
a quarterly magazine concentrating on the youth