

# Archit Srivastava

github.com/eh2arch | fb.co/archit.sri  
archits@usc.edu | 323.649.0492 | arch.srivastava.2@gmail.com

## EDUCATION

### UNIVERSITY OF SOUTHERN CALIFORNIA

**MASTER'S IN COMPUTER SCIENCE**  
Expected May 2018 | Los Angeles, CA  
Viterbi School of Engineering  
Relevant Coursework: Artificial Intelligence, Algorithms

### NATIONAL INSTITUTE OF TECHNOLOGY

**BTECH IN INFORMATION TECHNOLOGY**  
May 2016 | Durgapur, West Bengal, India  
Cum. GPA: 9.04 / 10.0

## SKILLS

### PROGRAMMING

Advanced:

C/C++ • C# • Ruby • JavaScript • HTML/CSS • Python

Intermediate:

Java • SQL • PHP •  $\LaTeX$

Basic:

Shell • Assembly

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 67, 122, 229

**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

## 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.
- Scalable and extensible architecture that allowed parallel execution of tests on configurable test scenarios across multiple environments. In production

### PRECOC, RESEARCH GROUP AT IIIT DELHI | RESEARCH ASSOCIATE

May 2014 – Present | New Delhi, India

Worked remotely with **Prof Dr. Ponnurangam Kumaraguru** to develop an enterprise tool for forensic analysis of social media data using big data technologies. The tool tracks and visualizes information from various social networks (Facebook, Twitter, Google+, Instagram, etc) to produce insights. Funded by **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

Currently working with **Prof Kristina Lerman**, **Prof Emilio Ferrara** and **Prof Ponnurangam Kumaraguru** to analyse the emotions, sociability and demographics in Santa Monica, LA through various social networks.

### 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

Low-training gesture recognition to recognize hand motion gestures through accelerometer data on mobile devices.

## PROJECTS

### DATA SCIENCE FOR SOCIAL GOOD | RECOVERY GROUPS

IDENTIFICATION

Mar 2016

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

Virtual desktop assistant created using CMUSphinx library which recognizes dedicated voice commands and translates them to user actions.