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.
- 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

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.

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 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