Archit Srivastava

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EDUCATION

UNIVERSITY OF SOUTHERN CALIFORNIA
Master's in Computer Science
Expected May 2018 | Los Angeles, CA
Viterbi School of Engineering

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

LINKS

Facebook:// **dd**
Github:// **deedydas**
LinkedIn:// **debarghyadas**
YouTube:// **DeedyDash007**
Twitter:// **@debarghya_das**
Quora:// **Debarghya-Das**

COURSEWORK

GRADUATE
Advanced Machine Learning
Open Source Software Engineering
Advanced Interactive Graphics
Compilers + Practicum
Cloud Computing
Evolutionary Computation
Defending Computer Networks
Machine Learning

UNDERGRADUATE
Information Retrieval
Operating Systems
Artificial Intelligence + Practicum
Functional Programming
Computer Graphics + Practicum
(Research Asst. & Teaching Asst 2x)
Unix Tools and Scripting

SKILLS

PROGRAMMING
Over 5000 lines:
Java • Shell • Python • Javascript
OCaml • Matlab • Rails • LaTeX
Over 1000 lines:
C • C++ • CSS • PHP • Assembly
Familiar:
AS3 • iOS • Android • MySQL

EXPERIENCE

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

Worked remotely under **Professor Dr. Ponnurangam Kumaraguru** to develop an integrated enterprise version of forensic analysis of social media data using big data technologies called AASMA (Advance Application for Social Media Analytics). The search portal extracts, tracks and visualizes information from multiple online social networks (Facebook, Twitter, Google+, Instagram, etc) to provide meaningful insights. This is funded by **Department of Electronics and Information Technology (DeitY), Government of India** and is actively being used by around 50+ national agencies.

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.
- Worked on a scalable and extensible architecture that allowed parallel execution of tests on configurable test scenarios across multiple environments
- Leveraged by other applications across VL space. In production.

GOOGLE | Software Engineering Intern
May 2013 – Aug 2013 | Mountain View, CA
- Worked on the YouTube Captions team, in Javascript and Python to plan, to design and develop the full stack to add and edit Automatic Speech Recognition captions. In production.
- Created a backbone.js-like framework for the Captions editor.

PHABRICATOR | Open Source Contributor & Team Leader
Jan 2013 – May 2013 | Palo Alto, CA & Ithaca, NY
- Phabricator is used daily by Facebook, Dropbox, Quora, Asana and more.
- I created the Meme generator and more in PHP and Shell.
- Led a team from MIT, Cornell, IC London and UHelsinki for the project.

RESEARCH

CORNELL ROBOT LEARNING LAB | Researcher
Jan 2014 – Jan 2015 | Ithaca, NY
Worked with **Ashesh Jain** and **Prof Ashutosh Saxena** to create **PlanIt**, a tool which learns from large scale user preference feedback to plan robot trajectories in human environments.

CORNELL PHONETICS LAB | Head Undergraduate Researcher
Mar 2012 – May 2013 | Ithaca, NY
Led the development of **QuickTongue**, the first ever breakthrough tongue-controlled game with **Prof Sam Tilsen** to aid in Linguistics research.

AWARDS

2014	top 52/2500	KPCB Engineering Fellow
2014	1st/50	Microsoft Coding Competition, Cornell
2013	National	Jump Trading Challenge Finalist
2013	7th/120	CS 3410 Cache Race Bot Tournament
2012	2nd/150	CS 3110 Biannual Intra-Class Bot Tournament
2011	National	Indian National Mathematics Olympiad (INMO) Finalist