

# ANHAD JAI SINGH

## PERSONAL INFORMATION

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## ABOUT ME

I'm a Pythonista, Ex-SysAdmin and Full-Time learner.  
Anything to do with Python, Networks, Linux, Distributed Systems or Open Source excites me. New cutting edge Tools and Technology never fail to fascinate me.

## WORK EXPERIENCE

Tower Research	Aug '15–Cont.	DevOps Engineer, Core Engineering — Gurgaon
		Working on improving developer workflow and productivity by automating and streamlining processes. Worked on building and deploying packages for the internal package manager. Designed and delivered multiple microservices in wide use today. Currently working on revamping build and compute infrastructure using Docker and Kubernetes. Reference: NOT AVAILABLE
Mozilla	May–Jul '15	Release Engineering Intern — San Francisco
		Worked with multiple teams within Mozilla to plan and execute migrations of existing services and build configurations to newer systems/platforms with more robust setups. Most work involved Ansible, Docker, AWS and an internal platform called Taskcluster. Reference: Hal WINE · Sr. Release Engineer · <a href="mailto:hwine@mozilla.com">hwine@mozilla.com</a>
IIIT Hyderabad	'14 – Aug '15	Junior System Administrator — Hyderabad
		Worked as Junior System Administrator, managing and maintaining the Institute's Servers used by over 2000 users.
Mozilla	May–Aug '14	Release Engineering Intern — San Francisco
		Worked with Mozilla's globally distributed team of Release Engineers to develop a new software update generation system called Funsized. Reference: Hal WINE · Sr. Release Engineer · <a href="mailto:hwine@mozilla.com">hwine@mozilla.com</a>
Google Summer of Code	Jun–Aug '13	Automation & Tools Intern, Mozilla — Remote
		Worked with Mozilla's Automation and Tools Team remotely to analyze and improve test coverage for internal python libraries called Mozbase. Reference: Clint TALBERT · Director Automation & QA · <a href="mailto:ctalbert@mozilla.com">ctalbert@mozilla.com</a>

## VOLUNTEER EXPERIENCE

	<i>Jun–Nov '14</i>	Community Building, RELEASE ENGINEERING
<i>Mozilla</i>		Recognized for bringing in and mentoring new contributors. Helped make the team's work more approachable for new volunteers.
	<i>Dec '12–'13</i>	Volunteer Contributor, AUTOMATION & TOOLS
<i>Mozilla</i>		Helped fix numerous bugs across different test suites and testing frameworks.
	<i>May '13–Cont.</i>	Head, OPEN SOURCE DEVELOPMENT GROUP
<i>Open Source Development Group, IIIT-H</i>		Built awareness about F/OSS software, encouraged contributions to the community. Organized talks and hackathons to encourage community growth and learning. Greater awareness and encouragement helped increase the Google Summer of Code selections from 16 (GSoC '12) to 69 (GSoC '14). Regular writer for the Group's Technical Blog.

## ACADEMIC PROJECTS

	<i>Monsoon '13</i>	Attendance System
<i>Statistical Methods in AI</i>		Developed a prototype of a photograph based attendance system. The prototype showed over 75% recognition accuracy and involved Facial Recognition utilizing PCA, Eigen Vectors, SVM and research from ' Turk & Pentland: Eigenfaces for Recognition 1991, MIT Vision and Modelling group. '
	<i>Spring '14</i>	Search Engine
<i>Information Retrieval and Extraction</i>		Designed and implemented a prototype search engine in python which utilizes Natural Language processing libraries for keyword extraction and performs indexing based on a Posting list and inverted Indices. Tests on the Wikipedia corpus showed good Relevance with both Human subjects and DCG based methods.

## SKILL SET

<i>Proficient</i>	PYTHON, BASH
<i>Basic</i>	C, C++, JAVASCRIPT
<i>Version Control</i>	GIT, MERCURIAL
<i>Misc</i>	DOCKER, ANSIBLE, KUBERNETES, LINKING AND LOADING IN LINUX
<i>Compute Clouds</i>	GOOGLE COMPUTE ENGINE, AWS, DIGITAL OCEAN
<i>Operating Systems</i>	Linux(Preferred), OSX, Windows

## EDUCATION

<i>Bachelor's in CS (Hons. CV &amp; AI)</i>	2011–2015 · International Institute of Information and Technology, Hyderabad
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## ONLINE ALIASES

Github · [ffledgling](#)  
 Twitter · [ffledgling](#)