

AAYUSH AHUJA

MALE, 22 YRS

EDUCATION

B.E.(Hons.) Computer Science	2010-2014	B.I.T.S. Pilani, Pilani Campus	CGPA 7.22
AISSCE (Class XII)	2010	The Mother's International School, New Delhi	95%
AISCE (Class X)	2008	The Mother's International School, New Delhi	93.8%

PROFESSIONAL EXPERIENCE

Groupon Inc., Member of Technical Staff, Chennai	July 2014-Present
<ul style="list-style-type: none">Working with EDW-Tools team that develops tools to provide internal Groupon users like sales guys, operations guys, analysts and most of the other developers a simplified of the Data Warehouse infrastructure.Developed Optimus (Multi-purpose ETL and enterprise-wide Data Warehouse management tool). Written in Java and Python, the tool can handle complex workflow tasks involving operations on Teradata, Hive, MySQL, PostgreSQL, SFTP, etc which might also involve multiple dependencies.	

INTERNSHIPS

Google Summer of Code 2013 - timvideos.us	May 2013-Oct 2013
<ul style="list-style-type: none">Code committer for the open source project (http://github.com/timvideos/gst-switch)Developed Python API for controlling and testing Gst-Switch. Gst-Switch is an open source tool developed in Gstreamer used for live and interactive video mixing. The tool is used in open source conferences like linux.conf.au, PyCon, DebConf, etc. for providing HD (720p and 1080p) quality videos.Implemented Continuous Integration on Travis-CI that helped track multiple issues with code.	
Practice School, Symantec Software Solutions, Bangalore	July 2013-Dec 2013
<ul style="list-style-type: none">Built a Build Verification Engine for automating regression testing of VIP Enterprise GatewayMade testing for a large build matrix comprising of various operating systems and LDAP servers possibleImproved upon manual testing and reduced time taken by over 1000 times	

ACADEMIC PROJECTS

- Instructor of semester long course on Python at BITS Pilani (2014)
- Improving Security of BITS network: Understood vulnerabilities, exploits and network security and implementation through penetration testing. Completed under guidance of Prof. J.P. Mishra (2013)
- Server-client surveillance model for multiple cameras capable of detecting unusual activities like breaches in high security areas. Completed under guidance of CEERI Scientist Anil Kumar Saini (2013)
- Product Popularity Analysis: Provides rating for various products based upon user reviews from online shopping sites (like Flipkart and Amazon). Python and NLTK-toolkit were used for analyzing reviews and generating ratings (2012)
- Compiler Construction: Developed a compiler that generates x86 (Windows) code for a given toy language

ACADEMIC ACHIEVEMENTS AND AWARDS

- Attended linux.conf.au 2015 in Auckland. Hacked on getting HD pipeline working for streaming and recording the conference. This is the first open source technology which can be used for the purpose.
- 3rd position in Google Hack 2012, Code for a Cause, New Delhi for Indian Language Signboard Reader
- Presented Ex-Opti-Expense Management System in Desert Hack 2012 (<http://ex-opti.appspot.com>)

LANGUAGES AND TECHNOLOGY

- Languages:** C++(proficient); C (proficient); Python (proficient); Java (proficient); SQL (proficient); JavaScript (proficient); Shell/Bash (moderate); Golang (beginner)
- Software and Frameworks:** Git, Docker, AngularJS, Play framework, Glib, Gstreamer, Travis-CI, Django, Teradata, Struts, MySQL, Nginx, Hadoop
- Operating Systems:** Linux (all flavors), BSD, OSX, Windows