

**EMPLOYMENT****Member of Technical Staff                      Groupon Inc., Chennai                      Jul 2014 - Present****EDW-Tools**

- Designed and developed Optimus from scratch, a go to ETL and Enterprise-wide Data Warehouse pipeline management tool. The tool has proved to be reliable and indispensable for its users
- Extremely beneficial to internal departments like analytics, data science, sales and most developers who have to move huge volumes of data. It solves the problem of managing data flows, dependencies and schedules
- Technologies worked on – Python and Java

**Google Summer of Code                      Timvideos.us                      May 2013 – Oct 2013**

- Code committer for the open source project Gst-Switch (<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

**Intern                      Symantec Software Solutions, Bangalore                      Jul 2013 – Dec 2013**

- Built a Build Verification Engine for automating regression testing of VIP Enterprise Gateway in Java
- Made testing for a large build matrix comprising of various operating systems and LDAP servers possible
- Improved upon manual testing and reduced time taken by over 1000 times

**EDUCATION**

B.E. (Computer Science)	BITS – Pilani, Pilani Campus	2010-2014	CGPA - 7.22
AISSCE (Class XII)	The Mother's Int'l School	2010	95%
AISSCE (Class X)	The Mother's Int'l School	2008	93.8%

**ACADEMIC PROJECTS**

- **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

**ADDITIONAL EXPERIENCE AND AWARDS**

- **Linux.conf.au 2015, Auckland:** Hacked on getting HD pipeline working for streaming and recording the conference. The first open source solution for this purpose
- **Python Instructor (2014):** Taught semester long course on Python at BITS – Pilani
- **3<sup>rd</sup> position in Google Hack 2012:** Indian Language Signboard Reader
- **Ex-Opti:** Presented Ex-Opti-Expense Management System in Desert Hack 2012 (<http://ex-opti.appspot.com>)

**LANGUAGES AND TECHNOLOGIES**

- Python, C++, Java, C, JavaScript, SQL, Shell/Bash
- Git, Docker, Play Framework, AngularJS, Django, Nginx, Teradata, Hadoop, MySQL, Struts, Continuous Integration, GStreamer

GITHUB <https://github.com/hyades>LINKEDIN <https://www.linkedin.com/in/aayushahuja>STACKOVERFLOW <http://stackoverflow.com/users/1273742/hyades>