

AAYUSH AHUJA

MALE, 21 YRS

EDUCATION

B.E.(Hons.) Computer Science	2010-2014	B.I.T.S. Pilani, Pilani Campus	CGPA 7.1
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%

Electives Completed: Data Mining, Symbolic Logic

INTERNSHIPS

Google Summer of Code 2013 - timvideos.us

May 2013-Oct 2013

- Developed Python API for controlling and testing Gst-Switch
- Implemented Continuous Integration on Travis-CI
- Wrote unit tests and integration tests which improved code coverage from 60% to 85%

Practice School, **Symantec Software Solutions**, Bangalore

July 2013-Dec 2013

- Built a Build Verification Engine for automating regression testing of VIP Enterprise Gateway
- 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

Practice School, **NTPC**, Faridabad

May 2012-July 2012

- Redesigned existing database schema making it more efficient and manageable
- Implemented web-based applications and redesigned the intranet website of the company

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

ACADEMIC ACHIEVEMENTS AND AWARDS

- 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>)
- Vehicle Accident Detection System: Detects accident of a mobile vehicle and notifies nearby hospitals for rescue operations. Won 2nd prize in Apogee 2011
- Secured India rank of 33 in National Science Olympiad, 2010
- Received Dharamveer Memorial Award for topper in Computer Science in Class XII

LANGUAGES AND TECHNOLOGY

- **Languages:** C++(proficient); C(proficient); Python(proficient); Java(moderate); SQL(moderate); Shell Script(moderate); HTML(moderate); MATLAB(moderate)
- **Software and Frameworks:** Eclipse; Django; Google App Engine; IBM SPSS Modeler; Travis-CI
- **Operating Systems:** Windows (XP, Vista, 7, 8, 8.1); Linux(Debian, Redhat)

POSITIONS OF RESPONSIBILITY

- Founding member and tech head for Gaming Club. Organized Armageddon and Cube Open in Apogee
- Member of Ragamalika, classical music club as a flautist

EXTRA-CURRICULAR ACTIVITIES

- Playing flute
- Cricket and football enthusiast