

# Varun Thacker

Male, Indian 21 years

Flat 401, 43 Parasar Road, Kolkata -700029, West Bengal, India  
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## Key Skills:

- Languages : C, C++, Java
- Scripting Languages : Python, BASH
- Operating Systems : GNU/Linux, Windows, Google Android
- RDBMS : MySQL
- Special Interest : Apache Lucene, Apache Hadoop, Apache Mahout

## Education:

- Currently pursuing B.E. in Computer Science in Manipal Institute of Technology, Manipal

Semester	First	Second	Third	Fourth	Fifth	Sixth	Seventh
CGPA	7.35	6.85	7.08	6.89	6.86	6.87	7.38

- CLASS 12- Passed Indian School Certificate Examination (ISC) in 2008 from St. James' School, Kolkata in 2008 securing 80.4%.
- CLASS 10- Passed Indian School Certificate Examination (ICSE) from St. James' School, Kolkata in 2006 securing 80%.

## Research Experience And Summer Internships:

- Working at Unbxd Software Pvt. Ltd., Bangalore, India as Intern – Unbxd Core Development Team, 15<sup>th</sup> January - 15<sup>th</sup> May 2012.
- Participated and successfully completed the Google Summer Of Code, 2011 program contributing to The Apache Software Foundation. I worked on the Apache Lucene Project. The project aims to generalize the current Lucene Directory implementation by making it a UnixDirectory. This would be done by adding IOContext to the lower level API. The goal to this is to have a single UnixDirectory that is usable across all UNIX platforms, and would use direct IO if the context is merging. These are two existing Lucene tasks ( LUCENE-2793 and LUCENE-2795). Project reference - <http://goo.gl/Lmfhb> .
- Interned under Dr. Surya Prakash Singh, professor at Indian Institute of Technology , Delhi. My work involved coding for a research paper on the Quadratic Assignment problem. In this paper, a new heuristic is proposed to solve facility layout problem which is formulated as quadratic assignment problem. In the proposed heuristic, linear assignment problem is formulated which is solvable in polynomial time.
- Worked on a research paper "Theft Detection of Computers using MAC address by MapReduce Programming Model on a Cluster" under the guidance of faculty at Manipal Institute of Technology, Manipal India.

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## Co Curricular Activity:

- Setup a Apache Hadoop cluster at Manipal Institute of Technology, Manipal India.
- My GitHub Profile: <https://github.com/vthacker>
- Built a small recommendation engine using Apache Mahout and based on the paper - "Google News Personalization: Scalable Online Collaborative Filtering" (ref: <http://goo.gl/65hov>)
- Contributor to the Apache Lucene project.
- Presented a paper on "Fault tolerance in Hadoop" at "Engineer" -NIT Surathkal technology fest- and reached the final round.
- Conducted a session on Distributed Computing and MapReduce at LUG Manipal (ref: <http://goo.gl/1uT26>)
- Took part in Yahoo! Open Hack 2011, Bangalore. Made a "Stuck In Traffic" Android application which crowd sources traffic congestion points and marks them on a map.
- Took part in Startup Weekend Bangalore 2011 (ref: <http://bangalore.startupweekend.org/>) .Our startup idea was to make daily commute faster with the help of a Android phone application that can provide route suggestions (ref: <http://goo.gl/ZSavU>)
- Wrote two SMS based application on the txtWeb platform. A application for notifications of the latest trending topics on Twitter (ref: <http://goo.gl/bIYaS>) and an application which would provides the latest news on football (ref: <http://goo.gl/NRicT>)
- Made a mobile application using Python for Symbian60 phones. (ref: <http://goo.gl/wgAdU>)
- Category Head for Cryp-Toss, a Computer Science event in Techtatva 2011- a annual technical fest at Manipal Institute Of Technology, Manipal
- Conducted a 1 day talk on search engines along with a LUG Member at LUG Manipal. (ref: <http://goo.gl/oBmEV>)
- Active member of the Linux Users Group Manipal.
- Actively participated in FOSS activities in India, attending Pycon India 2009 and [FOSS.IN](http://FOSS.IN) in 2010.
- Represented my school in the Zonal Informatics Olympiad, 2007 conducted by the Indian Association for Research in Computing Science and was selected for the Indian National Olympiad in Informatics, 2007.

## Extra Curricular:

- **Rowing** - Represented my School in the Bengal Rowing Club International School Regatta and the Lake Club National School Regatta in 2007 and 2008.
- **Scouts** - Completed "Dwitya Level" in Bharat Cubs, Scouts & Guides. Was a scout from 2002 to 2008.
- **Football** - Represent my School and House in various football tournaments.