

# Anurag MISHRA

## PERSONAL DATA

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DATE OF BIRTH: 17 July 1995  
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## EDUCATION

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2013 - Present Bachelor of Engineering(BE), **Computer Engineering**  
**Army Institute of Technology, Pune**  
*Semester 1* 84.2%  
*Semester 2* 79.8%  
*Semester 3* 80.8%  
*Semester 4* 78.9%  
*Semester 5* 80.0%  
**First in Department.**

2012-2013 Class XII, ICSE Board  
*Percentage* 94.8%

2010-2011 Class X, ICSE Board  
*Percentage* 94.0%

## INTERNSHIPS AND TRAININGS

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AUG'15-SEPT'15 | **Persistent Computing Institute(PCI), Pune**  
Algorithms in **Machine Learning**  
By : Dr. Sunil Shende, Rutgers University

MAY'15-JULY'15 | **Indix, Chennai**  
*Software Engineering Intern*  
**Title** : Implementation of Wayback Machine for Indix's datasets.  
› Indexed the huge product database of each day into various RocksDB shards.  
› Created a service to access individual crawled instances of the same product page based on timestamps, using Hadoop, Mapreduce, Finatra etc.

NOV'14-JAN'15 | **Indian Institute of Technology(BHU), Varanasi**  
*Research Intern*  
**Guide** : Dr. Bhaskar Biswas, Indian Institute of Technology, BHU  
**Project** : A recommendation system to provide category of a Facebook page from its description.  
› Aggregated data of Facebook pages.  
› Based on the textual similarity between the description of each page, categorized each page, using TF-IDF, cosine similarity.

JUNE'14-JULY'14 | **Hewlett Packard Education Services(HPES), Pune**  
*Summer Training*  
Training in **Core Java**  
*Grade* : A, *Certification ID* : HP/STP/2014/S2500  
**Batch Topper.**

## PROJECTS

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- OCT 2015 **ICU mortality prediction.**  
› Developed a model based on Neural Networks for prediction.  
› Used Random Forest Classifier for on-line prediction.
- SEPT 2015 **Collaborative filtering approach for user and photo suggestions in Flickr.**  
› Compared similarity/distance methods like Cosine, Jaccard, Hamming..  
› Developed a model to suggest similar users and likable photos on Flickr.
- AUG 2015 **Analysis of tweets on map.**  
› Aggregated tweets using Twitter REST and Streaming API's.  
› Plotted the tweets on world map, and derived observations.
- MAR 2015 **Application for Departmental library.**  
› A GUI based application to manage the library transactions.
- FEB 2015 **Know your speed on rollerblades.**  
Featured on HACKADAY, DANGEROUS PROTOTYPES  
Link: <http://hackaday.com/2015/02/12/know-your-speed-on-rollerblades/>  
Link: <http://dangerousprototypes.com/2015/02/17/arduino-equipped-inline-sensor-skates/>
- JAN 2015 **Sentiment analysis of tweets and news articles.**  
› For any event, aggregate tweets and articles from NYT.  
› Compared the sentiments of people and news articles.
- SEP 2014 **SoundCloud User Classification using metadata.**  
› Aggregated users data from SoundCloud.com  
› Classified users into Band, Artist and Listener, using supervised Machine Learning algorithms like Decision Trees, Naive Bayes, SVM.

## TECHNICAL SKILLS

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PROGRAMMING LANGUAGE: C, C++, Java, Python, Scala, Shell scripting  
FRAMEWORKS: Qt, Hadoop  
PLATFORM/MODEL: MapReduce, Arduino  
OPERATING SYSTEM: UNIX, Linux, Windows

## SCHOLARSHIPS AND CERTIFICATES

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- 1st prize in Amalgam 2015, alumni sponsored project, AIT Pune.
- 1st prize in Amalgam 2014, alumni sponsored project, AIT Pune.
- 1st prize in City App Challenge - Junior World Entrepreneurship Forum 2014, BIMT Greater Noida.
- 2nd position in CodeRed - Tech Aakriti 2015, AIT Pune.
- 2nd position in CodeRed - Solutions 2014, AIT Pune.
- 1st position in Lawn Tennis - Sports Aakriti 2014, AIT Pune.
- Sir Ratan Tata Memorial Scholarship, for standing 1<sup>st</sup> in Computer Department, 2014.

## INTERESTS AND ACTIVITIES

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- Hobbies include Lawn Tennis, Rollerblading.
- Member of AIT big data group.
- Member of AIT open source software(OSS) group.
- Attended seminar by CLAWS, New Delhi on "Applicability of Big Data in Defence".