Anurag MISHRA

PERSONAL DATA

DATE OF BIRTH:	17 July 1995
COLLEGE:	Army Institute of Technology, Pune
PHONE:	+91 7767983062
EMAIL:	anuragmishracse@gmail.com
LINKS:	Website	Github	LinkedIn

EDUCATION

2013 - Present Bachelor of Engineering(BE), Computer Engineering
Army Institute of Technology, Pune
Percentage   80.41%   **First position in college.**

2012-2013 Class XII, ICSE Board
Percentage   94.8%

2010-2011 Class X, ICSE Board
Percentage   94.0%

INTERNSHIPS AND TRAININGS

DEC'16-PRESENT **University of Auckland, New Zealand**
Visiting Student
Guide: Prof. Mohan Sridharan

JUNE'16-JULY'16 **Edelweiss Financial Services, Mumbai**
Data Science Intern
Title: Telephonic Call Emotion Analysis.
› Processed raw audio recordings into feature vectors using DSP.
› Built a model that classifies the emotion in entire call as well as small chunks of call.

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

MAY'15-JULY'15 **Indix, Chennai**
Software Engineering Intern
Title : Implementation of a Finder Service for fetching 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**
Visiting Student
Guide: Prof. Bhaskar Biswas
Title: Finding category of a Facebook page from its description.
› 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 in Core Java
Grade : A   Certification ID : HP/STP/2014/S2500

Projects

APRIL 2016	**Hand gesture based car driving.**	Link | Code | Video
	› A module that recognises driver's hand gestures and takes movement decisions accordingly.	
	› Featured on Hackaday.	
MAR 2016	**Self-sufficient prototype of self-driving car.**	Link | Code | Video
	› An artificially intelligent car that can run autonomously.	
	› Used a Raspberry Pi, camera, sensors, image processing and neural networks for decisions.	
	› Featured on Hackaday.	
DEC 2015	**Moon phase prediction.**	
	› Model based on Neural Networks for prediction of 'phase of moon' from its image.	
	› Accuracy obtained: 91%.	
OCT 2015	**ICU mortality prediction.**	
	› Developed a model to predict the outcome of an ICU patient at the end of stay.	
	› Used Random Forest Classifier and Feed Forward Neural Network for predictions.	
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.	
JULY 2015	**Analysis of tweets on map, using self-built 4 node Hadoop cluster.**	
	› Aggregated tweets using Twitter's REST and Streaming API's.	
	› Plotted the tweets on world map to derive valuable insights.	
MARCH 2015	**Know your speed on Rollerblades.**	Link | Code | Video
	› An arduino based project to calculate speed of rollerblader.	
	› Featured on Hackaday, Dangerous Prototypes.	
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.**	
	› Classified users into Band | Artist | Listener, using supervised Machine Learning algorithms like Decision Trees, Naive Bayes, SVM.	

Technical Skills

PROGRAMMING LANGUAGES:	Python, C++, Java, Scala, Shell scripting
FRAMEWORKS/ MODELS:	Qt, Hadoop, MapReduce
OPERATING SYSTEM:	UNIX, Linux, Windows
OTHERS:	Arduino, Raspberry Pi, BeagleBone Black

Scholarships and Certificates

- Tata Memorial Scholarship for standing 1st in Computer Department in 2015, 2014.
- AGIF Scholarship for excellent academic performance in 2015, 2014, 2013.
- Winner in Amalgam 2016, 2015, 2014 - Alumni sponsored project competition, AIT Pune.
- 1st prize in City App Challenge - Junior World Entrepreneurship Forum, 2014.
- 2nd position in CodeRed - Tech Aakriti 2015 & CodeRed - Solutions 2014, AIT Pune.
- 1st position in Lawn Tennis - Sports Aakriti 2014, AIT Pune.
- Invited to a seminar on "Applicability of Big Data in Defence, 2015" by CLAWS, New Delhi.

Interests and Activities

- Interests include Programming \| Artificial Intelligence \| Machine Learning.
- Hobbies include Lawn Tennis \| Rollerblading.
- Started AIT Big Data group - gave lectures to juniors.
- Hosted events and invited eminent personalities for lectures.
- Active member of AIT Open Source Software (OSS) group.