

# Abhishek V Joshi

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## EDUCATION

### BIRLA INSTITUTE OF TECHNOLOGY AND SCIENCE

B.E. (Hons.) Computer Science  
Expected August 2019 | Pilani, India  
Cum. GPA = 8.99/10

### HSC (CLASS XII)

PACE Junior College, Nerul  
Grad. 2015 | Navi Mumbai, India  
Score(%) : 92

### CBSE (CLASS X)

Ryan International School, Sanpada  
Grad. 2013 | Navi Mumbai, India  
Score(%) : 96.8

## LINKS

GitHub://jbnerd  
LinkedIn://Abhishek V Joshi

## COURSEWORK

### UNDERGRADUATE

Artificial Intelligence  
Logic in Computer Science  
Data Structures And Algorithms  
Theory of Computation  
Data Mining  
Principles of Programming Languages  
Neural Networks and Fuzzy Logic  
Database Systems  
Microprocessors and Interfacing  
Operating Systems  
Computer Architecture

### MOOCS

CS50 Harvard  
Machine Learning by Sebastian Thrun

## SKILLS

### PROGRAMMING

Strong  
• Python • C • C++ • Java  
Familiar  
• SQL • HTML • CSS • bash  
Software/Framework  
• Numpy • SKLearn • git • Matplotlib  
• Django • Jekyll

## EXPERIENCE

### BOMBAY STOCK EXCHANGE | SUMMER RESEARCH INTERN

May 2017 - July 2017 | Mumbai, India

- Developed a new model for setting Periodic Price Bands on Stocks automatically.
- Mentored by **Dr. Vardhana Pawaskar, Research Head, BSE.**
- The model takes into account the behavior of the Stocks from the past along with the Overall Market Movement.
- The work is of great importance to the Market Surveillance team of BSE to detect and curb malpractices over the Stock Market.

## PROJECTS

### EVENT DETECTION AND TRACKING ON TWITTER

Aug 2017 - Present | ADAPT Lab, BITS Pilani

- This project includes detecting real life events by monitoring the stream data from various social media platforms like Twitter; under the supervision of Prof. **Naveet Goyal** and Prof. **Poonam Goyal**.
- My work includes Demultiplexing of events with similar descriptions without the use of Geo-Tags.

### BITS LIFEGUARD

Aug 2016 - April 2017 | Network Research Lab, BITS Pilani

- It is a Research Project of Prof. Rahul Banerjee, where the aim is to create a non-pervasive wearable jacket for Indian drivers in hazardous situations.
- My work included a Broad Literature Survey for detecting Stress levels of the driver by monitoring their physiological data in real time.
- The project included using various Stream Mining techniques in a very constrained memory and computing resources.

### SARCASM DETECTION ON TWITTER

Feb 2017 - April 2017 | Pilani, India

- Implemented a paper on Sarcasm Detection by A. Rajadesingan. Intuitively added some more features to the proposed feature set.
- **Gradient Boosting** achieved an accuracy of **85.71%** from a feature set only **1\7th** the original size proposed in the paper.

## MINI PROJECTS

- **Path Planning Agent**
- **Fan Control System using 8086 Microprocessor**
- **Checkmate 2016.** A web based quizzing event on the theme of Pokemon.
- Wrote a **critique** and an executive summary on "New Techniques for Union-Find Problem" by J. A. La Poutre.

## EXTRA CURRICULAR

- Gave a Lecture on 'Unsupervised Learning Techniques' as part of a **Workshop** organized by **BITS-ACM** during the college's Technical Festival **APOGEE BITS-PILANI.**
- I am fond of solving problems on Numerical Computation. I have solved questions from Project Euler and cryptopals.com.

## ORGANIZATIONS

2017-Present	Treasurer	ACM Student Chapter BITS Pilani
2015-Present	Core Team Member	ACM Student Chapter BITS Pilani
2017-Present	APOGEE coordinator	Coding Club BITS Pilani