

Abhishek V Joshi

<https://jbnerd.github.io> | <https://linkedin.com/in/jb-nerd> | <https://github.com/jbnerd>

BITS Pilani, Vidya Vihar
Pilani, Rajasthan - 333031
(+91) 9769320230
abhivjoshi.aj@gmail.com
[f2015116@pilani.bits-pilani.ac.i
n](mailto:f2015116@pilani.bits-pilani.ac.in)

EXPERIENCE

Network Research Lab, BITS Pilani — *Informal Research Project Assistant (BITS LifeGuard)*

Aug 2016 - PRESENT

- Worked under Prof. Rahul Banerjee on his Research Project BITS LifeGuard.
- Major contribution - a broad literature survey of Stream Mining Techniques for unlabeled physiological data suitable for the Problem Statement of the Project.
- Worked with the datasets of Schneegass et al. (Stuttgart) and Healey-Picard (MIT) for evaluating the stress levels of real world drivers in real time and also checking the usability of these datasets for the prototyping of the project.
- Some of the more interesting reads for stream mining were by Domingos-Hulten (Very Fast Decision Trees) and Wei-Fan et al. (Active Mining of Data Streams).
- <http://www.bits-pilani.ac.in/pilani/ProjectBITSLifeGuard/Home>

Bombay Stock Exchange, Mumbai — *Summer Research Intern*

May 2017 - July 2017

- Worked under Dr. Vardhana Pawaskar on developing a new model for setting Periodic Price Bands for Stocks automatically with a greater adaptability towards latest overall Market Movement.
- Major interest was in the behavior of Penny Stocks.
- https://jbnerd.github.io/PS1_Compre_Report.pdf

BITS-ACM, BITS Pilani — *Treasurer*

June 2017 - Present

- BITS-ACM has been awarded the Best Student Chapter in India for 3 consecutive years with a recognition from ACM International.
- I have been a part of BITS-ACM since Jan 2016; Conducted lectures on a plethora of topics ranging from Machine Learning to Linux and Web Development on various occasions for the chapter, developed projects and organised events as well.

SKILLS

Data Analysis Engineering
Mathematical Modelling, High Level Thinking and Problem Solving
Programming in Procedural and Object Oriented Paradigms
Back-end Web Development
Visualizing Patterns and Relations

RESEARCH INTERESTS

Data Analytics and Machine Learning
Foundational Theories of Computer Science and Mathematics
Formal Logic and Algorithmic Thinking
Quantum Computing

PROGRAMMING LANGUAGES

C, Python, Java

EDUCATION

BITS Pilani, Pilani — *B.E. (hons.) Computer Science*

2015 - 2019

8.99 cgpa

Extra Humanities Courses - [Creative Thinking, Bhagwad Gita, Sociology]

Extra Disciplinary Courses - [Data Mining]

PACE Junior Science College, Nerul — *HSC Board*

2013 - 2015

92% in 12th Boards

Ryan International School, Sanpada — *CBSE*

2006 - 2013

96.8% in 10th standard

PROJECTS

Sarcasm Detection using Twitter Stream Data

- Worked on a paper by A. Rajadesingan et al. to implement some of its best features along with some intuitive additions of our own to improve the classification results as a partial fulfilment of Data Mining course of BITS Pilani. This study has to be extended further and requires more fine tuning.
- https://jbnerd.github.io/sarcasm_detection_report.pdf

Fan Control System using 8086 Micro-processor

- Designed a system for controlling the fan speed and various modes using Proteus ISIS 7 along with an assembly script to run the prototype as a partial fulfilment of the Micro-processors course of BITS Pilani.
- https://github.com/jbnerd/Fan_Control_System_8086_Micro-Processor

Checkmate 2016 – Pokemon Go!

- Developed the event – Checkmate; it is a revolutionary quizzing event to test participant's aptitude for analytical thinking and logic based problem solving. It is hosted on a web based platform. Theme – Pokemon.
- <https://github.com/jbnerd/Pokemon-Checkmate-2016>