

# ABHISHEK JOSHI

MALE, 20 YEARS

B.E. (Hons.) COMPUTER SCIENCE (2015-2019)

CGPA: 8.99



## EDUCATION

HSC (Class XII)	2015	PACE Junior Science College, Nerul	92.15%	NA
CBSE (Class X)	2013	Ryan International School, Sanpada	96.8% (10 CGPA)	NA

Electives Completed : Data Mining, Data Structures and Algorithms, Database Systems, Object Oriented Programming

## INTERNSHIPS

Summer Research Intern, **Bombay Stock Exchange**, Mumbai  
May 2017 - July 2017

BSE – Research Division

- Developed a new model for setting **Periodic Price Bands** on Stocks automatically.
  - This model takes into account the **behavior** of the Stocks from the past along with the Overall Market Movement.
  - This work is of great importance to the **Market Surveillance** team of BSE.

*Professional Recognition*

- Referral by **Dr. Vardhana Pawaskar** (Research Head, BSE)

## ACADEMIC PROJECTS

- Project BITS LifeGuard:** (Aug 2016 – May 2017) 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; Worked at **Network Research Lab** on **Stream Mining** of continuous Physiological Data Streams; A broad literature survey of methods and datasets that may be used for simulation of the Test Bed.
- Event Detection and Tracking on Twitter:** (Aug 2017 – Present) It is an ongoing project at **ADAPT labs** in BITS Pilani to detect and track real life events using Twitter Stream API in real time under the supervision of **Prof. Navneet Goyal** and **Prof. Poonam Goyal**.
- Sarcasm Detection on Twitter:** (Feb 2017 – April 2017) Implemented a paper on Sarcasm Detection by A. Rajadesingan for the Data Mining course project; Wrote the code, generated some more intuitive features and tested different feature sets for accuracy; Achieved an **Accuracy of 85.71%** from a feature set only **1/7<sup>th</sup>** the original size proposed in the paper.
- Checkmate-2016 Pokemon Go!** (Aug 2016) Checkmate is an aptitude based quizzing event hosted on a web platform by BITS ACM; Wrote the backend of the event in **Python Django**;
- Fan Control System using 8086 Microprocessor:** (April 2017) Designed a system on Proteus ISIS-7 for controlling fan speeds and run times for the Microprocessors course of BITS Pilani; wrote the code in **assembly** and designed the component circuitry; achieved all the requirements that the projects demanded through the circuit design.

## ACADEMIC ACHIEVEMENTS AND AWARDS

- Awarded the **Merit Type-1 scholarship** by the BITS Pilani for excellence in academics (Semester 1).
- Awarded a **scholarship** for standing in the **top 1 percentile** of HSC Boards in 2015.
- Serving as a **Teaching Assistant** in the Computer Programming course of BITS Pilani.

## POSITIONS OF RESPONSIBILITY

- Treasurer, BITS ACM** (Aug 2017 – July 2018), BITS ACM has been awarded the best Student Chapter across India.
  - Handling the accounts, finances and Treasury of the BITS Pilani student chapter of ACM.
- APOGEE Coordinator, Coding Club** (Aug 2017 – July 2018), Coding Club is a group of highly enthusiastic coders who help build a better coding culture on BITS Pilani's campus. APOGEE is the technical fest of BITS Pilani.

## EXTRA-CURRICULAR ACTIVITIES AND ACHIEVEMENTS

- ANC Portal:** Wrote the backend code for a website, which serves the purpose of ordering food at the All Night Canteen of BITS Pilani in **Python Django**.
- I also solve Problems from **Project Euler**, Cryptopals and various online judges in my free time.
- Find out more about my Achievements and Work [here](#).

## OTHER INFORMATION

- I am interested in Logic based Thinking and **Problem Solving** as well as in the **Theoretical aspects** of Computer Science and related Mathematics.
- I have sound programming experience in Imperative and Object-Oriented programming paradigms and have worked with Python, Java, C, C++ and assembly for various applications.