

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 = 8.97/10

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

MOOCS

CS231n Stanford
CS20I Stanford
Neural Networks for Machine Learning by
Geoffrey Hinton
CS224n Stanford
CS50 Harvard
Machine Learning by Sebastian Thrun

SKILLS

PROGRAMMING

Strong

• Python • C • Java

Familiar

• C++ • SQL • HTML • CSS • bash

Software/Framework

• Numpy • TensorFlow • Matplotlib
• SKLearn • Git • Django • Jekyll

EXPERIENCE

BOMBAY STOCK EXCHANGE | SUMMER RESEARCH INTERN

May 2017 - July 2017 | Mumbai, India

- Developed a Mathematical model for setting Periodic Price Bands on Stocks dynamically in real time.
- 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 to capture trends.

PROJECTS

EVENT DETECTION AND TRACKING ON TWITTER

Aug 2017 - Present | ADAPT Lab, BITS Pilani

- Text Mining techniques used to detect 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 also focuses on demultiplexing events without the use of Geo-Tags.

DEEP REINFORCEMENT LEARNING

October 2017 | BITS Pilani

- Implemented the paper "Human Level Control using deep reinforcement learning" by DeepMind, with some improvements.
- Applied the policy gradients method instead of Q learning / double Q learning for better convergence.

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**
- Connect 3 Game Playing Agent**
- Fan Control System using 8086 Microprocessor**
- Checkmate 2016.** A web based quizzing event on the theme of Pokemon.

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