

Mehul Agrawal

Birla Institute of Technology and Science, Pilani, Hyderabad Campus, India

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Education

BITS Pilani Hyderabad Campus <i>B.E. (Hons.) in Computer Science</i>	<i>Jul 2017 - Present</i> 7.667*/10
Doon International School <i>Higher Secondary (CBSE 12th)</i>	<i>May 2017</i> 93.2%
Summer Valley School <i>High School (ICSE 10th)</i>	<i>May 2015</i> 96.4%

Key Projects

Movie Database Portal <i>Database Systems</i>	<i>Mar 2019 - Present</i>
<ul style="list-style-type: none">○ Creating a web based movie database portal using Apache, MySQL and PHP○ Implementing features like customized homepages, past and upcoming Movies/TV-Shows listings, news/trivia and top lists○ Adding functionality like befriending people and following celebrities to make a social network for movie lovers	
Cluster Analysis on Amino Acid Sequences <i>Data Mining</i>	<i>Mar 2019 - Present</i>
<ul style="list-style-type: none">○ Implementing from scratch in Python, K-Means and hierarchical clustering with agglomerative and divisive approaches using different types of linkages to identify clusters in amino acid sequences	
Association Rule Learning on Large-scale Transaction Data <i>Data Mining</i>	<i>Feb 2019</i>
<ul style="list-style-type: none">○ Implemented Apriori and FP-Growth algorithms from scratch in Python○ Generated frequent item-sets and association rules for different values of support and confidence for both algorithms on a grocery transaction data-set	
Hotel Booking Portal <i>Object Oriented Programming</i>	<i>Nov 2018</i>
<ul style="list-style-type: none">○ Created a complete Hotel Booking Portal using Java and MySQL○ Used Swing for frontend○ Features include creating users, searching hotels, modifying/cancelling bookings and wait-listing.	

Skills

- Proficient in Python, Java, C/C++, SQL, HTML/CSS
- Familiar with AutoCAD

Achievements

- 99.4 percentile (AIR 7194) in Joint Entrance Examination - Main
- 359/450 in BITSAT. Among the top ~2700 students in the country
- School rank 1 in National Science Olympiad (Class 12th) Stage 1 and qualified for stage 2

Extracurricular

- **Sangeet Prabhakar in Tabla** from Prayag Sangeet Samiti, Allahabad. (6 year course equivalent to B.A. in Music). Also started **www.TaalGyan.com** as an online resource to learn classical music and tabla.
- Member of Swaranjali (Classical Music Society of BPHC)
- Enthusiast at ELAS (English Language and Activities Society of BPHC)