

# Mehul Agrawal

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

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## Education

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

## Key Projects

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

## Skills

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

## Achievements

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- 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

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- **Sangeet Prabhakar in Tabla** from Prayag Sangeet Samiti, Allahabad. (6 year course equivalent to Bachelor of 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)