Mehul Agrawal

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Education

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

Key Projects

Movie Database Portal   *Mar 2019 - Present*
Database Systems

- 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 Vertebrate DNA Sequences   *Mar 2019 - Present*
Data Mining

- 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

Association Rule Mining on large-scale transaction data   *Feb 2019*
Data Mining

- 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   *Nov 2018*
Object Oriented Programming

- 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)