



ABHIMANYU SINGH SHEKHAWAT
Course : **B.E. (Hons.)**, Computer Science, 2020
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CGPA : 7.17



ACADEMIC DETAILS				
COURSE	INSTITUTE/COLLEGE	BOARD/UNIVERSITY	SCORE	YEAR
CLASS XII	ARMY PUBLIC SCHOOL,JAIPUR	CBSE	95 %	2015
CLASS X	ARMY PUBLIC SCHOOL,JAIPUR	CBSE	95 %	2013

Subjects / Electives	Data Structures and Algorithms, Object Oriented Programming, Operating System, Database Systems, Compiler Construction, Information Retrieval
Technical Proficiency	Python3, C++, C Programming, SQL, Hive, Microsoft Excel

SUMMER INTERNSHIP / WORK EXPERIENCE	
Intern, American Express CFR Worked closely with the data stewards team at American Express in the Credit and Fraud Risk Management department. <ul style="list-style-type: none">Automated documentation by designing a GUI application hosted on ML Studio.Designed and implemented a search tool for variable definitionImplemented version control in the documentation tool.Designed the capability to identify redundant variables in the systemScheduled a capability on the server to trigger automatic reports about the redundancies in the database in the past 6 months about 10% variables were decommissioned	Jun 2019 - Dec 2019
Intern, UP-100 Police Emergency Management System A model application for Business Intelligence and Fuel Management for UP-100 was developed. A model application for review of employees working in three different shifts and filtering the data for fuel management.	May 2018 - Jul 2018

PROJECTS	
Compiler Construction - Compiler, Data Structures <ul style="list-style-type: none">Designed and implemented a compiler for custom language.Worked on various components of the compiler -<ul style="list-style-type: none">Lexical Analyzer, Syntax Analyzer, Abstract Syntax Tree, Symbol Table, Type Extractor and Checker, Semantic Analyzer	Jan 2019 - May 2019
Clustering of Environmental Sensory Data - Machine Learning <ul style="list-style-type: none">Compared Various Clustering Algorithms these being K-Means Clustering, Hierarchical Agglomerative Clustering, Mean Shift Clustering, MiniBatchKMeans Clustering on environmental sensory data.	Jan 2019 - May 2019
Improving Results by a search engine using Embedding-Based Query Language Models. - Information Retrieval <ul style="list-style-type: none">Designed a search engineImproved the efficiency of the search engine by 5% using embeddings based query language model.	Aug 2018 - Dec 2018

POSITION OF RESPONSIBILITY	
Secretary - Poetry Club, BITS Pilani <ul style="list-style-type: none">Led a team of 20 in organizing a Poetry Slam performance with poets from outside the campus.Started newsletter containing compositions of Club membersCreated a new YouTube channel for Poetry Club - BITS PilaniOrganized reading sessions and other internal club events.	Jan 2019 - May 2019

EXTRA CURRICULAR ACTIVITIES	
Reading and Writing Poetry <ul style="list-style-type: none">Reading works of Ahmad Faraz, Jaun Elia, Wasim Barelvi and other poets on rekhta website during my free time.Composing poems in Hindi.	

VOLUNTEER EXPERIENCE	
NSS BITS Pilani - Role: Volunteer Cause: Social Services <ul style="list-style-type: none">Worked as a tutor in NSS SchoolWorked as a volunteer in blood donation camp	Jan 2017 - May 2017