



# MD ASIF ANWAR



## ACADEMIC DETAILS

Year	Degree / Board	Institute	GPA / Marks(%)
---	B.Tech in Textile Engineering	Indian Institute of Technology, Delhi	6.95
2017	CBSE	SAM SECONDARY SCHOOL	78.6%
2014	CBSE	PARK MOUNT PUBLIC SCHOOL	10.0/10.0

## SCHOLASTIC ACHIEVEMENTS

- Got Selected for **Rahmani Super 30** after a rigorous four-tier selection process; In top 30 among one lakh applicants (2014).
- Recipient of **Merit-cum-Means (MCM)** scholarship from IIT DELHI for the last 3 semesters in a row for academic excellence
- Awarded **Certificate of Merit** By Cental Board of Secondary Education for obtaining grade **A1** in all five subjects in class X

## PROJECTS

- **Data Structures and Algorithm**, Prof. Subodh Kumar, IIT Delhi (July, 2019 - November, 2019)
  - Implemented classical Producer-Consumer problem using data structures (Priority Queue, Circular queue, Stacks)
  - The multithreaded implementation allowed synchronization during reading and modifications in the buyer/seller lists.
  - Implemented graph data structure algorithm to determine topological space using triangulation approximation method
  - Implemented project management (Job scheduler) using data structures (Red Black Tree, Max Heap, Priority Queue)
  - Maintained student database using LinkedList, implemented methods to retrieve and update data for specific students
- **Development of Software suite for Computer Aided Drug Design**, Prof. B Jayaram, IIT Delhi (May, 2019 - July, 2019)
  - Developed an android app called **Sanjeevini** using android studio as a Summer Project for Computer Aided Drug Design
  - The results of the job performed by various clients can be accessed by multiple android devices by using a unique JobID
  - Modified the web-view of the app using HTML, CSS programming languages to make it smoother and more user friendly
  - Upgraded the app to the **newer version** and made it compatible with Nougat and Oreo Android Version of the mobiles
- **Search Engine**, Prof Maya Ramanath, IIT Delhi, (April, 2018)
  - Developed an inverted index search engine capable of searching for queries such as phrase or any of the given keywords
- **Two Way Motorised Hacksaw**, Prof. P.V.M. Rao (September, 2017 - November, 2017)
  - Led a team of 5 fellow first year students; designed and fabricated a **Two Way Motorised Hacksaw** as a course project
  - Project was aimed to design and fabricate a machine which would perform 2 different cutting operations simultaneously
  - Designed a **Scotch Yoke Mechanism** for converting the rotational motion of the motor into the linear motion of hacksaw

## TECHNICAL SKILLS

- **Programming Languages:** Java, Python, C++, Ocaml,
- **Softwares :** Autodesk Inventor, Android Studio, Internet of Things
- **Relevant Courses Undertaken:-** Data Structures and Algorithms, Probability Theory and Stochastic Processes Database Management System(undergoing), Software Engineering(undergoing)

## INTERSHIPS

- **Forum for Democracy, New Delhi**, Field Research Scholar (May, 2018 - July, 2018)
  - Undertook summer internship in the organisation and collaborated with Delhi Government to conduct surveys across Delhi
  - Conducted surveys across different locations in South Delhi to find out the various problems faced by the local residents
  - Compiled and analysed the data from surveys and recommended quick and implementable solutions to the government
  - Awarded **Certificate of Appreciation** and stipend for excellent work during the Internship period by the Delhi Government

## EXTRA CURRICULAR ACTIVITIES

- **Executives, IITD Alumni Association(2018-2019):** *Worked as an Executive for a period of one year.*
  - Organised and managed the cultural event, **Nagme** and hosted total of 100+ alumni and their family members during that
  - Managed a **hackathon event** organised by **Paytm** for solving real world challenges and problems using Machine Learning
  - Managed all the arrangements for the **hackathon event** by **Paytm** that hosted a total of 350 students from Delhi colleges
- **Social Endeavours:** Volunteer at **National Service Scheme (NSS)**, IIT Delhi
  - Volunteer at the weekly **teaching program** in Kendriya Vidyalaya School, IIT Delhi under the **Vidya Teaching Project**
  - Participated in the initiative for helping students of poor background in their studies for two consecutive semesters
  - Taught English, Mathematics and Science to students belonging to class X and helped them get good grades in exams