



SATYAM BOHRA



ACADEMIC DETAILS

Year	Degree / Board	Institute	GPA / Marks(%)
---	B.Tech in Electrical Engineering	Indian Institute of Technology, Delhi	6.651
2017	CBSE	ST. Queen Mary's Public School ,Agra,U.P.	84.20%
2015	CBSE	Jawahar Navodaya Vidyalaya, Agra,U.P.	9.8/10.0

QUALIFYING EXAMS

- **Joint Entrance Examination (JEE) Mains Rank:** 761 (All India Rank)

PROJECTS

- **Triangles of Graph** *Course Project* (Mr. Subodh Kumar) (CSE , IIT Delhi) **(Oct. - Nov. ,2019)**
- Solved Queries related to Surface analysis with triangle and used dijkstra algorithm to perform width first search across the graph.Solved queries like no of proper triangles and no of triangles connected through a given edge or triangle or point etc with minimum time of code running.Implemented Graph data structure in order to store triangles and points and edges and then solved the queries like info about the point or neighborhood of the triangle or point.
- **Encryption and Decryption Of Image** *Course Project* (Mr. Seshan Srirangarajan) (EE, IIT Delhi) **(Oct. - Nov. , 2019)**
- Converted the image matrix into another matrix by applying Fast Fourier Transform by a randomly generated matrix . then multiplying by a randomly but fixed type generated matrix.Then generated a key using RSA algorithm .then applying the inverse of Fast Fourier Transform. then re applying inverse to get the original image.
- **Sequence Generator And Detector** *Course Project* (Mr. Anuj Dhawan)(EE, IIT Delhi) **(Nov, 2019 - Nov, 2019)**
- Learnt verilog language syntax and wrote code to generate the sequence of binary numbers.Wrote verilog code to detect sequence in a randomly given input.
- **Triangles in Mesh** *Course Project* (Mr. Subodh Kumar) (CSE, IIT Delhi) **(Oct,2019 - Oct,2019)**
- Implemented Red Black Tree and Trie to store 1D points of triangle.Solved queries related to no of triangles having the property and no of triangles connected through that point or edge.
- **Project Management** *Course Project* (Mr. Subodh Kumar) (CSE, IIT Delhi) **(Sep ,2019 - Oct,2019)**
- Implemented Red Black Tree , Trie and Priority Queue to have a job scheduler.Solved queries like giving the project and the user and job related to task completion.
- **Data Handling of Student's Details** *Course Project* (Mr. Subodh Kumar) (CSE, IIT Delhi) **(Sep, 2019 - Sep, 2019)**
- Implemented Hash Table using Double hashing approach and separate chaining approach in order to store Student data.Solved the queries related to particular student or delete a given student data.
- **Consumer Buyer Problem** *Course Project* (Mr. Subodh Kumar) (CSE, IIT Delhi) **(Aug, 2019 - Aug, 2019)**
- Implemented Priority Queue in order to store the Customer with first priority.Implemented Queue in order to have Seller's Stock. Then solve the queries related to Stock or the customer remaining items.
- **Frequency generator** *Course Project* (Mr. Seshan Srirangarajan) (EE, IIT Delhi) **(Oct, 2018 - Nov, 2018)**
- Learnt how to use ICs. Then construct the circuit to convert triangular input to square output and square input to triangular output.

TECHNICAL SKILLS

- **Proficient:** C++, Java, Python
- **Familiar :** Neural Networks , VHDL , HTML , SML
- **Software And Tools :** Matlab , AutoCAD , Photoshop , MS Office

EXTRA CURRICULAR ACTIVITIES

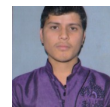
- **Sports**
- Participated in Intra IITD hostel competition during 2018-2019 among 33 participants across 11 hostels.
- Participated in Intra IITD hostel competition during 2019-2020 among 33 participants across 11 hostels and our team performed better with good quality performance.

POSITIONS OF RESPONSIBILITY

- **Vice Captain** *Table Tennis* Udaigiri Hostel (March, 2019 - ...)
- Successfully managed the team to perform better in the Intra IITD Hostel Competition leading the team with 2 newcomers.
- Enhanced the game facility at hostel level by managing to increase the game budget from the hostel revenue.
- Conducted Trials of Juniors and created enthusiasm among the hostel mate.



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IIT COURSE

Degree	Institute	CGPA
B.Tech in Electrical Engineering	Indian Institute of Technology, Delhi	6.651

QUALIFYING EXAM

• **Joint Entrance Examination (JEE) Advanced Rank:** 360 (GE)

COURSES DONE

Intro. To Computer Science, Intro. To Electrical Engg., Calculus, Profe. Ethics & Social Resp., Introduction To Engineering, Language & Writing Skill, Electromagnetic Waves&qua.mec., Physics Laboratory, Engineering Mechanics, Introduction To Chemistry, Chemistry Laboratory, Engg. Visualization & Comm., Product Realization By Manf., Linear Algebra & Diffe. Equa., Profe. Ethics &social Resp.-2, Language & Writing Skill-2, Data Structures And Algorithms, Digital Electronics, Circuit Theory, Electromechanics, Signals And Systems, Intro. To Electrical Engg., Modern Indian Fiction In Translation