

## Mihir Vikram Jain

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Department of Computer Science and Engineering,  
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### Education

Degree	Institution	CPI/%	Year
B.Tech	IIT Gandhinagar	7.68	2018 - Present
Class XII	St. Anselm's School, Ajmer	91.6%	2017-2018
Class X	St. Anselm's School, Ajmer	9.0	2015-2016

### Positions of Responsibility

- **Exhibition Executive, Amalthea, Annual Tech summit of IIT Gandhinagar.** [2018]
  - Communicated with many companies to showcase their products in the exhibition.
  - Part of the team that managed everything in the exhibition dome during the event day.
- **Technical Officer, Election Commission IIT Gandhinagar.** [2019-20]
  - Conducted online elections for the IITGN student council.
  - Developed the online voting platform in a team of 3 people.

### Projects

- **Design and Implementation of Dynamic Random Access Memory(DRAM) controller.**
  - Designed using Xilinx Vivado (Verilog) and implemented on a Nexys 4 FPGA.
  - Acquired knowledge of DRAM architecture and data flow in and out of DRAM.
  - Understood how control logic is designed for sequential digital systems.
- **Online Voting platform for IITGN student council elections 2020.**
  - Features : Responsive , IITGN student email ID authentication, User-friendly design.
  - Developed using Flask, MySQL , Bootstrap and deployed using Google Cloud Platform.
- **Android app for online booking of rooms and machines in IITGN campus.**
  - Developed using Android Studio (JAVA) and Google Firebase.
  - Developed in less than 36 hours during the IITGN hackathon.
- **Analysis and simulation of cache-replacement algorithms.**
  - Worked with ChampSim, a trace-based cache simulator.
  - Wrote code, analysed and simulated DRRIP, SRRIP, LRU, Bimodal-Insertion, FIFO algorithms.
  - Got acquainted with methods like set-dueling to enhance performance.

### Skill Summary

- **Languages:** Python, C++, JAVA, Verilog, HTML, CSS.
- **Tools:** Android Studio, LaTeX, Xilinx Vivado, Django, Flask, Bootstrap.
- Android App Development.
- Machine Learning (beginner).

### Achievements

- Won first position in the Parliamentary Debate competition at Chaos'19, annual cultural fest of IIM Ahmedabad.

### Extra-Curricular Activities

- Part of a team that Represented IIT Gandhinagar at Inter-IIT Cultural meet'18 in Street play competition and Stage play competition.
- Represented IIT Gandhinagar at Inter-IIT tech meet'19 at Engineers' Conclave.
- Part of the organizing committee of Freshers' week'19. It is an event organised every year for the freshmen students of IIT Gandhinagar.