# Nimitt

**BTech | Computer Science and Engineering**
Indian Institute of Technology, IIT Gandhinagar
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 **in** LinkedIn
 :GitHub

## EDUCATION

- **BTech :** CPI: 9.23/10                                                              2022 - Present
- **Higher Secondary / +2 :** Percentage: 95.6                                          2021 – 2022
- **Secondary :** Percentage: 93.33                                                     2019 – 2020

## INTERNSHIPS

- **Research Intern, Prediction of Etching profiles in Semiconductor Fabrication using Deep Learning, IIT Gandhinagar**     2024
  – Studied the use of simulation tools to simulate etching process, various etching techniques used in the semiconductor industry
  – Used Synopsys Topography tool to simulate HCl selective etching and generate dataset for the process
  – Deployed FNN and LSTMs to accurately predict the Etching profiles by employing physical constraints into the model

## PROJECTS

- **Machine Learning Intern, Next Word Predictor on FPGA, IIT Gandhinagar**                    March 2024 - May 2024
  – Trained an LSTM on IIT Gandhinagar Advisories, used Digital Systems concepts to implement the trained LSTM on an FPGA
- **Data Science Intern, Data Narratives, IIT Gandhinagar**                                    Jan 2023 - May 2023
  – Explored and conducted Data Narravtive on Goodread Book rating dataset, Tennis Tournaments and USNews Colleges Dataset
- **Machine Learning Intern, Human Activity Recognition, IIT Gandhinagar**                     March 2024 - May 2024
  – Generated an exhaustive Dataset, used Featurisation to train a Decision tree as a classifier

## TECHNICAL SKILLS

- **Programming and Scripting Languages**
  Python, HTML, C, C++, Verilog
- **Tools and Libraries**
  Libraries : Numpy, Pandas, PyTorch, Sklearn
  Tools : Matlab, AutoDesk Inventor, Fusion 360, Blender 3D, Arduino IDE

## ACHIEVEMENTS / AWARDS

- **Achievement 1**
  Dean's List Term I and Term II, Semester 2 and 3, IIT Gandhinagar                            February 2024

## POSITIONS OF RESPONSIBILITY

- **Responsibility 1**
  Member, Systems Programming Group, The Technical Council                                     June 2023 - May 2024
- **Responsibility 1**
  Member, HackRush 2024, IIT Gandhinagar Hackathon                                             Jan 2024 - May 2024

## EXTRACURRICULAR ACTIVITIES

- **Extracurricular Activity 1**
  Squash Inter-IIT Team, IIT Gandhinagar                                                       2023