KIRTAN PATEL

Mobile: (+91) 8347949700   **Email:** kirtan_2605@yahoo.com
LinkedIn: www.linkedin.com/in/kirtan-patel-2605

ACADEMIC BACKGROUND

YEAR	DEGREE	INSTITUTE, CITY	%/CGPA
2019-Present	B.Tech (Aerospace Engineering)	IIT Mardas, Chennai	8.63/10.0
2019	XII – ISC Board	Anand Niketan Satellite, Ahmedabad	95.80%
2017	X – ICSE Board	Anand Niketan Satellite, Ahmedabad	91.00%

ACHIEVEMENTS

- Designated as the '**Head Boy**' for the academic year 2017-18 at Anand Niketan Satellite, Ahmedabad
- Awarded the '**All Rounder of the Year 2017-18**'

PROJECTS

QR Code Image Steganography, **Digital Signal Processing**   (December 2020 - Present)

- Did intense research on QR Codes and Error Correction Codes
- Developed Octave Functions which takes text input from user, determines encoding type of text. the smallest QR Code version which is needed to store that text and generates the QR Code.
- Develop Octave Functions to take images as input and determine the QR Code is present in it.
- Hide QR Codes and other bit array of data into images using Steganography.
- GitHub Repositories: https://github.com/kirtan2605/QR-Codes

INTERNSHIP

Student Scout, **Campus Fund**   (July 2020 - Present)

Task	• To Source and Evaluate Student-led Start ups which seek funding
Approach	• Performed market research and analysis to identify potential business opportunities • Co-ordinated with the team and start-ups to utilize all the resources available • Created Advisory Deck and Investment Memo for the Start-ups which are funded
Result	• Efficient and Optimal Evaluation of which start-ups move ahead to the funding stage

COURSES

- Computational Methods in Engineering **|** Applied Programming Lab
- Digital Signal Processing **Specialization** - École Polytechnique Fédérale de Lausanne (Coursera)
- Computational Thinking for Problem Solving - University of Pennsylvania (Coursera)

CORE COURSES

- Basic Strength of Materials **|** Aerospace Structural Mechanics **|** Vibrations
- Fluid Mechanics **|** Gas Dynamics **|** Aerodynamics
- Thermodynamics for Aerospace Engineering

TECHNICAL SKILLS

- Programming Languages : C **|** Python **|** MATLAB/Octave **|** LaTeX
- Software & Libraries : AutoCAD (2D) **|** CATIA V5 **|** QUCS **|** Numpy **|** Pandas