

# PARTH PARIKH

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## EDUCATION

<b>B.Tech. in Electronics &amp; Communication Technology (E.C.) and Minor in Computer Science</b>	<b>2020 - 2024</b>
Institute Of Technology Nirma University (ITNU)	
<b>CGPA – 8.31</b>	
<b>Higher Secondary Education from Shiv Ashish School</b>	<b>2018 – 2020</b>
<b>Percentage – 90.8%</b>	
<b>Secondary Education from Udgam School for Children</b>	<b>2006 – 2018</b>
<b>Percentage – 86%</b>	

## INTERNSHIPS

- 1. Summer Intern at infochips (an Arrow company)** *June,2023 – July,2023*
  - Worked with a group of five members to learn the industry acquired technologies.
  - Worked with the OpenROAD tool used for IC design and successfully implemented a 512-bit RAM on the same.
- 2. Research Intern at Nirma University, Ahmedabad, Gujarat** *July,2022 – August,2022*
  - Worked under Dr. Dhaval Pujara and successfully made a patch antenna working on 1.8GHz.
  - Worked with the Ansys (HFSS) software for designing of patch antenna.
- 3. Procurement Intern at SOLEOS SOLAR PVT. LTD, Ahmedabad, Gujarat** *June,2022 – July,2022*
  - Worked with the companies database of solar panels manufacturing in Microsoft Excel.
  - Worked on research regarding floating solar power plants and modules.

## PROJECTS

- 1. Chat Bot using Deep Learning** *April,2023 – May,2023*
  - A deep learning project which emphasizes on the chatbot in service sector industry using a JSON file.
  - A file is trained using neural networks and then the final chat model responds to numerous questions regarding the service industry. The summary report of the loss function and the accuracy is also created in the training model.
- 2. Long Short-Term Memory using Verilog** *March,2023 – April,2023*
  - An ML based algorithm for back propagation to store the necessary memory for a longer duration of time was implemented using Verilog.
  - The main objective of the project was to get rid of vanishing gradient descent and exploding of the node after a short duration of time which were trained with different weights and biases.
- 3. Multiple Certificate Generator via Excel Sheet and Emailing** *Nov,2022 – Dec,2022*
  - An objective for the ease of generating certificates in universities or any other organization.
  - Python project which generates a certificate automatically in the given template by collecting the fields as mentioned in the excel sheet.
  - It is also used to Email that certificate via a mentioned Email Id to the person to whom the certificate belongs with a message written in the mail and the attachments.
- 4. Air Fair Price Prediction** *Oct,2022- Nov,2022*
  - Data science project that predicts air fare by using random forest regression model using decision tree method.
  - calculated MAPE, MSE, MAE, RMSE and R2\_score through which the accuracy of our designed model was predicted.
- 5. Sound Detector Using OPAMP** *April,2022-May,2022*
  - An Analog Circuits project done on PCB using OP-AMP (LM741C), Transistors (BC547), Resistors, Capacitors, Buzzer, Microphone, Potentiometer, Battery and Switch.
  - It would detect the sound and the buzzer will buzz as a result of the detection.

## TECHNICAL SKILLS

**Languages:** PYTHON, C, C++, Verilog HDL, SQL, LINUX, PERL

**Software or Tools:** Ubuntu, Tableau, Power BI, MATLAB, Scilab, LT-Spice, Microwind, Quartus-II, Ansys(HFSS), MS-Office

## CERTIFICATES

- 'The Complete SQL Bootcamp: Go from Zero to Hero' provided by UDEMY (Jul-2023)
- 'Tableau 2022 A-Z: Hands-On Tableau Training for Data Science' provided by UDEMY (Apr-2023)
- 'Microsoft Power BI desktop for Business Intelligence' provided by UDEMY (Apr-2023)
- Participant in Infineon Hackathon for Smart Navigator held at Nirma University (Feb-2023)
- Participant in infochips hackathon organized by Nirma University (Sep-2022)
- Participant in Robotics workshop organized by ECO, Nirma University (Sep-2022)
- 'Microsoft Excel – from Beginner to advance' provided by UDEMY. (Feb-2022)
- 'Data Science and Machine Learning'-summer school, an DAIICT(IEEE) initiative. (Jun-2021)

## VOLUNTEER EXPERIENCE

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1. **Genuine Help Foundation** *April,2023 – May,2023*  
Helped to organize a cricket sports event to the foundation consisting of 70 participants. This sports event took place in the nearby area of the foundation.
2. **Nirma University** *Sep,2022 – Oct,2022*  
Helped in organizing the event named Prevoyance,2022 which was an ECO administrative. It was a fun event with lots of tech and non-tech activities. The invitations were sent to all the students studying in the university with an invite to Honorable Chief Guest, Dr. Sudhir Naik, Founder Chairman, India Electronics and Semiconductor Association, Gujarat Chapter and Founder Member eInfochips.

## EXTRA CURRICULAR AND AWARDS

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1. 'CONCOURS-2022' Champions in Badminton Men's doubles initiated by DAIICT *(Dec-2022)*
2. 'SHAURYA-2022' Runner's Up in Badminton Men's doubles initiated by IIM-Ahmedabad *(Dec-2022)*
3. Winner in Inter Institute Badminton Tournament (Men's Doubles) organized by Nirma University *(Sep-2022)*
4. 2<sup>nd</sup> Runner's Up in Club Badminton Tournament (Men's Doubles) organized by Sports Club of Gujarat *(Jun-2022)*
5. 2<sup>nd</sup> Runner's Up in Ahmedabad Badminton Tournament (U-19 Men's Doubles) organized by ISCA under ADBA *(Dec-2020)*