DEV GANDHI

Ahmedabad, Gujarat-380013

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Education

Pandit Deendayal Energy University, Gandhinagar, Gujarat   Oct. 2021 – May 2025
B.Tech (Information and Communication Technology)   *CGPA : 9.42*

Nirman High School, Ahmedabad, Gujarat   May 2021
Gujarat Higher Secondary Education Board (class 12th)   *Percentage : 82*

Nirman High School, Ahmedabad, Gujarat   March 2019
Gujarat Secondary Education Board (class 10th)   *Percentage : 86*

Relevant Coursework

- Data Structures
- Artificial Intelligence
- Algorithms Analysis
- Machine Learning
- Database Management
- Computer Architecture

Experience

Aarsh Foundation   June 2022
Volunteered as Data Processor   *Ahmedabad, Gujarat*

- Completed a Civic and Social Services Internship at the end of my first year in college, where I applied theoretical knowledge to practical situations. I worked with non-government organizations, contributing to community development and social welfare.
- During the 7-day internship, I with my other colleagues collected and processed data regarding awareness of different Government Policies among the people from Rural areas. We also showed and explained them about other on-going policies that they were not aware of, which were beneficial for them.

Projects

Vishwakarma Processor | *Logisim Evolution*   April 2023

- Developed a Basic single-core CPU using the Logisim Evolution Software.
- Led the group project and focused on designing of essential components such as ALU(Arithmetic Logic Unit, control unit, registers, memory and logic implementation.
- Presented the project to the Head of Department, showcasing proficiency in digital logic design, CPU architecture, problem-solving and effective communication skills.

Antenna Modeling and Simulation | *Ansys Electronic Desktop*   October 2023

- Designed a Coplanar Waveguide-fed Ultra-Wideband (UWB) antenna with reference to the previous work by A. Rahman, A. Alomainy and Y. Hao, albeit with slight dimensional adjustments to meet the specific requirements of the research.
- I collaborated with a 4-member team to design a Ultra-Wideband (UWB) Antenna within a specified timeframe for the RF Engineering course. Our focus was on software-based design using parameters provided in the research paper. I played a key role in simulating results by assuming additional parameters for accuracy.
- Additionally, I made a substantial contribution to the project report.

Advanced Encryption Standard | *MATLAB Software*   November 2023

- Implemented Advanced Encryption Standard(AES) in MATLAB Software.
- I implemented the Advanced Encryption Standard (AES) code in MATLAB as part of the Information Security course. AES is a symmetric encryption algorithm utilized for securing sensitive data, operating on blocks of data with key sizes of 128, 192, and 256 bits. The implementation involved multiple rounds, encompassing substitution (SubBytes), permutation (ShiftRows), column mixing (MixColumns), and the incorporation of a round key.

Technical Skills

Languages: C, C++, Java, Python, Assembly Language, MATLAB

Data Structure And Algorithm: C, C++

Web Development: HTML, CSS

Databases: MySQL

Developer Tools: VS Code, Android Studio