

Daksh Hanswal

Electronics Engineer

+91-8949063193 | dakshhanswal@gmail.com | [linkedin.com/in/daksh-hanswal/](https://www.linkedin.com/in/daksh-hanswal/) | github.com/dakshhh15

TECHNICAL SKILLS

Languages: Python, C, SQL, VerilogHDL, RTL

Circuit Design Tools: Tina-TI, Logisim, QUCS, Tinkercad, Proteus

Developer Tools: Cadence Virtuoso, Assura, VS Code, Vivado, MATLAB, Ansys HFSS, Github

Interests: Computer Architecture, Semiconductor Technologies, Digital Electronics, Embedded Systems, Business Analysis

EXPERIENCE

eInfochips: An Arrow Company

May, 2024 – June, 2024

ECE Summer Intern (Hybrid)

Ahmedabad

- OpenRoad, RISC-V, VLSI Opportunities, Tearoff of Devices, ASIC Design Flow
- Developed an ML-based application from scratch

PROJECTS

River Cleaning Robot using Arduino

Ongoing

- Arduino IDE, C++, Hardware components (Arduino, Bluetooth Module, etc)
- Developing a prototype of a robot which floats in water and picks up waste from water through a conveyor belt.

Digital Door Unlock System using Arduino

Apr. 2024

- Arduino IDE, C++, Hardware components (Arduino, Servo Motor, etc.)
- Achieved the appropriate mechanism of the servo motor (which can be attached to the door stopper) whose movements are controlled by the comparison of the password that is set and which is entered.

Arithmetic Unit along with a Clock and RAM Module

Dec. 2023

- Integrated Circuits, Breadboards, LEDs, Jumper Cables, Batteries
- Developed circuits of Astable, Bistable, and Monostable multivibrators, Adder and Subtractor, Registers, and Memory module that could store 8-bit data having 4-bit address and integrated all the parts together using relevant connections.
- Also developed basic parts of a 8086 based CPU that stores and edits memory as well as performs ALU operations on Logisim

Mini Projects

- Python: Word guessing game, Ciphers, Credit Card Verification
- Cadence Virtuoso: Simulated schematic and layouts of basic gates like Inverter, NAND, NOR, Memory cells

EDUCATION

Pandit Deendayal Energy University

CGPA: 9.21

Bachelor of technology, Department of Electronics and Communications

2021 - 2025

MDS Public School

91.2%

All India Senior School Certificate (AISSCE)

2019 - 2021

St. Paul's Senior Secondary School

95%

Secondary School Certificate (SSC)

2019 - 2021

CERTIFICATIONS

Arizona State University - Semiconductor Packaging

Issued Apr. 2024

Acmegrade and Mood Indigo - Embedded Systems

Issued Mar. 2024

Yale University - Financial Markets

Issued Jan. 2024

Pandit Deendayal Energy University - Semiconductor Manufacturing

Issued Nov. 2023

Swayam NPTEL - Privacy and Security in Social Media

Issued Oct. 2023