Adarsh Mishra

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Education

Guru Nanak Dev Engineering College, Ludhiana (GNDEC)　　　　Expected graduation date: Jun. 2025
B.Tech in Electronics and Communication Engineering |　　　　　　　　　　　　　　*CGPA: 8.23/10*
Relevant Courses: Electronics Devices, Digital Electronics, Digital Signal Processor, OOP (C++),
　　　　　　　　Microcontroller and Microprocessor, Computer Networks, Computer Architecture

Experience

Semi-Conductor Laboratory (formerly DOS, ISRO)　　　　　　　　　　Jul. 2023 - Aug. 2023
Project Trainee　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　*VLSI*

- Gained hands-on experience in 180nm fabrication processes.
- Applied CV Plotter Metrology to analyze MOS capacitors, enhancing understanding of semiconductor behavior.

Projects

PassGenWeb　　　　　　　　　　　　　　　　　　　　　　　　　Nov. 2023 - Dec. 2023
Password Creator Web Application　　　　　　　　　　　*Python, HTML, Flask, Bootstrap, Git*

- PassGenWeb is a web application powered by Flask, a Python web framework, designed to provide users with a convenient way to generate secure and random passwords.
- The application allows users to customize the composition of their passwords by specifying the number of alphabets, numbers, and symbols.

CV Analysis　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　Jul. 2023
Experimental Analysis of MOS Capacitor for Oxide Furnaces　　　*MOSFET, Capacitace Voltage Analysis*

- The project utilized CV Plotter Metrology to obtain capacitance-voltage (CV) plots of MOS Capacitors. This involved experimental analysis to understand the electrical characteristics of the capacitors.
- Studied the various steps involved in the fabrication of MOS Capacitors and the impact of these steps on the device's performance.

Conferences

9th NCEEIT　　　　　　　　　　　　　　　　　　　　　　　　　　　　　Feb. 2024
GCET Jammu

- National Conference and Exhibition on Emerging and Innovative Trends in Engineering Technology.
- The topic of the paper was "The Effect of data privacy laws on cloud computing in commerce".

NCIESA-2024　　　　　　　　　　　　　　　　　　　　　　　　　　　　Feb. 2024
NATIONAL INSTITUTE OF TECHNOLOGY KURUKSHETRA

- National Conference on Intelligent Electronic Systems and Applications.
- The topic of the paper was "Breakthrough trends of Nanotechnology in the Biomedical Industry".

Skills

Languages:
　　Python, C, C++, HTML, JavaScript,

Technologies & Tools:
　　Flask, Git, Docker, Matlab, LaTex

Frameworks:
　　React.js, Node.js, Tailwind, Figma, Express

Achievements

- Winner of Paper Presentation Competition at COGNIZANCE 2023 in IIT Roorkee - March 2023
- BUILD'23 - global hackathon, where idea on Healthcare was presented and we were offered funding from a Chinese MNC the official sponsor of the Hackathon - Feb 2023
- Finalist in Case Study Competition in COGNIZANCE 2022 in IIT Roorkee - March 2022
- Student Coordinator at Causmic Club from Jul. 2023
- Executive Member at Training and Placement Cell and volunteered the campus placement drive.