SAKSHI TIWARI

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ELECTRONICS & COMMUNICATION ENGINEERING STUDENT

TECHNICAL SKILLS

- Python/ C/ Java
- HTML/ CSS/ Javascript
- Xilinx Vivado/ Verilog

- MATLAB/ Tina-Ti/ Logisim/ QUCS/ Arduino IDE
- Adobe Photoshop/ Canva
- MS Word/ MS Powerpoint

PROJECTS

- **Density based Traffic Light Controller | Arduino UNO**

A traffic light control system utilizing density data with an Arduino UNO and embedded C.

- **CPU (8086) | Logisim**

Built a CPU from scratch within Logisim, based on the 8086 architecture.

- **Movie Recommender System | ML Model**

Developed a movie recommendation model based on K-nearest neighbors algorithm.

- **Breast Cancer Analysis| ML Model**

Created a predictive model to analyze patterns in breast cancer data.

- **Laptop Price Predictor| ML Model**

Built a machine learning model to forecast prices of laptops.

- **Front-end Projects| Web Development**

Designed user interfaces for websites and small projects using HTML, CSS, and JS. (Refer personal website)

EDUCATION

B. Tech in ECE | PDEU, Gandhinagar   Nov 2021 - May 2025
- CPI: 9.48
- Graduate in 2025

Internship

Innovative Project Intern | Bolt-IoT   Feb 2024 - 6 weeks
- Developing user-friendly interface for a smart-watch using HTML, CSS, & JS
- Built a ML model to predict the price of laptops based on the desired features

EXTRA-CURRICULUR COURSES

- Web Development | Internshala
- Machine Learning | Udemy

- VLSI Design | Internshala
- IoT-ML Training | Bolt IoT

- UI/ UX Design | Udemy

SOCIAL - LINKS

- Github: https://github.com/Sbt07
- Linkedin: https://www.linkedin.com/in/sakshi-tiwari-095610255