

Sakshi Tiwari

ECE STUDENT

sakshibhupendra@gmail.com | +91 6359121005 | <https://sbt07.github.io/Sakshi-Tiwari/>
<https://www.linkedin.com/in/sakshi-tiwari-095610255>

About

An enthusiastic and passionate ECE student with interests in Embedded Systems, Semiconductor, Web Development, Machine Learning & Graphic Designing.

Education

Pandit Deendayal Energy University – Gandhinagar, Gujarat	2021-2025
Bachelor of Technology – Electronics & Communication	CPI: 9.53
A – One School - Ahmedabad, Gujarat	2021
Higher Secondary School	85%
A – One School - Ahmedabad, Gujarat	2019
Senior Secondary School	89%

Internship

Bolt IoT	Feb 2024 – Mar 2024
<ul style="list-style-type: none">Built a Laptop Price Predictor Model using MLDeveloped a Fitness Tracker Site	

Projects

Density-based Traffic Light Controller

- Used Arduino UNO and IDE to construct
- Operated the traffic light system by checking the congestion in each lane

Electronic Voting Machine

- Used Arduino UNO and IDE to develop
- Conducts election between three parties and shows the result

Digital Door Unlock System

- Used Arduino UNO and IDE to build
- Maintains the door functionality based on the password entered

IPL Score Predictor

- Built and deployed an ML Model using Random Forest
- Predicts the match score based on current and past five overs' statistics

CPU - 8086

- Used Logisim Evolution
- Performs the Arithmetic & Logic Operations along with memory storage

Web Development Projects

- Built various frontend sites and mini projects using HTML, CSS & JS (Refer to personal website)

Technical Skills

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|-----------------------------------|---------------------------------------|
| • Python, C | • Arduino IDE, Proteus, Ansys HFSS |
| • HTML, CSS, Javascript | • Tina – TI, QUCS, Tinkercad |
| • HDL– Xilinx Vivado | • Adobe Photoshop, Figma, Canva |
| • VS Code, Colab, Jupyter, MATLAB | • MS Office – Word, Excel, Powerpoint |

Soft Skills

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|------------------------|---------------------------------|
| • Communication | • Time Management |
| • Teamwork, Leadership | • Adaptability, Problem-solving |

Certificates

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|--|---|
| • Micron Semiconductor Awareness Badge – Coursera | |
| • Understanding Incubation & Entrepreneurship – Swayam NPTEL | |
| • Career Essentials in Generative AI – Microsoft & LinkedIn | |
| • ChatGPT Prompt Engineering – DeepLearning.AI | |
| • Web Development - Internshala | • IoT ML Training – Bolt IoT |
| • VLSI Design - Internshala | • Semiconductor Manufacturing - Seminar |
| • Machine Learning - Udemy | • Soft Skill Development – Seminar |
| • UI/UX Design - Udemy | • AI Essentials – Intel |

Extra - Curricular Activities

- Participated in Myntra WeForShe HackerRamp
- Core Committee – Graphic Designing – GeeksforGeeks Student Chapter
- Sub Committee - Graphic Designing – Symmetry (The Graphic Design Club)

Hobbies

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|-----------|------------|-------------|
| • Reading | • Painting | • Sketching |
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