

INDIAN INSTITUTE OF TECHNOLOGY MANDI

CURRICULUM VITAE

Name : Shreya Banik
Contact Number : +91 7003697478 / +91 9163288117
Email : banikshreya91@gmail.com | banikshreya11@gmail.com



Career Objective:

To pursue research in VLSI and circuit design, strengthening on my foundation in electronic devices, analog and digital electronics, and signal processing. I aim to contribute to the design and analysis of integrated circuits and to develop into a researcher who can frame problems rigorously and translate them into measurable, hardware-grounded solutions.

Academic Qualification:

EXAMINATION	BOARD	YEAR	MARKS OBTAINED	OUT OF	%
10TH STD	WBBSE	2016	562	700	80.28
12TH STD	WBCHSE	2018	350	500	70.00
B.TECH (EIE)	MAKAUT	2023	9.15 (CGPA)	10	91.50
GATE (EC)	IIT GUWAHATI	2026	Qualified	–	–
M.TECH (RESEARCH), VLSI	IIT MANDI	2026	Pursuing	–	–

Relevant Coursework (M.Tech):

- Theory:** CMOS Analog IC Design
- Laboratory:** Digital MOS LSI Laboratory (Cadence Virtuoso, SCL 180 nm) – MOSFET characterization, CMOS NAND/NOR gates, common-source amplifier, current mirror

Projects:

SL NO.	PROJECT TITLE	DURATION
1	Home Automation using NodeMCU	1 month
2	Patient Health Monitoring System (B.Tech Project)	6 month

Technical Proficiency & Certifications:

- Languages:** Python, C (Familiarity)
- EDA Tools:** Cadence Virtuoso
- Hardware Technology:** Arduino, Raspberry pi (worked with IR sensor, DHT 11, LDR, etc)
- Tools Used:** VS Code, MATLAB
- Version Control:** Git, GitHub
- Subject of Interest:** Digital Electronics, Signals and Systems, Analog Electronics, Control Systems, Electronic Devices, Communication Systems

Achievements (Academic & Social):

- 2nd Runner Up of the Runway by Viral Fission, a National Level Ideathon
- Finalist of Smart India Hackathon
- Organized the official techno-management fest Phoenix'21 as a Working Committee member
- Selected as an Engineer Trainee at Soctronics, a VLSI and semiconductor design services company, through a competitive campus recruitment process.

Interests & Extra-Curricular Activities:

Event Management, Travelling and Photography, Playing Instruments, Sculpting, Drawing etc.

Languages Known:

Bengali, English, Hindi

Declaration:

I hereby declare that the information given above is true and correct to the best of my knowledge.

Date: 21.10.2026

Signature: 