

SOMIL MITTAL

ACADEMIC PROFILE							
Degree/Certificate		Institution				Percentage/CGPA	Year
B-Tech		Electrical Engineering IIT (BHU), Varanasi				9.38	2025
Sem I	Sem II	Sem III	Sem IV	Sem V	Sem VI	Sem VII	Sem VIII
9.68	9.49	9.00	-	-	-	-	-
CBSE (XII)		P.S.C. Jain Sr. Sec. Public School				95.2	2021
CBSE (X)		Swami Vivekanada Pblic School				95.2	2019
SKILLS							
<ul style="list-style-type: none">• Languages : C, C++, HTML, CSS, Javascript• Technologies : MATLAB,SIMULINK, PCB Design (Beginner)• Area of Interest : Digital Electronics, Power Electronics, Competitive Programming							
PROJECTS							
Designing and simulating a solar panel electricity generator							
<ul style="list-style-type: none">• Designed and Simulated a solar panel electricity generator to supply Electricity to a village• Data Set for Village Load was Given And it was to be designed in such a way that it absorbs energy in day and releases the energy in night. Calculations were made using MATLAB. LINK• Exposure: MATLAB, Simulink, Buck-Boost Converters, PI Controller, MPPT Algorithm							
Student Utility Website							
<ul style="list-style-type: none">• The website includes features that facilitates students in terms of Productivity and Management.• It includes a Pomodoro timer and a To-do list to increase concentration and manage day-to-day tasks respectively. LINK• Exposure: HTML, CSS, Javascript							
Digital Circuit design to Calculate Square Root							
<ul style="list-style-type: none">• A 10-bit binary number is given as input and the output is 5-bit binary number square root of input.• The simulation was done using Proteus Simulation software. Project Repository• Exposure: Combinational and Sequential Circuits, FSM, Counters, Proteus Simulation							
CERTIFIED COURSES							
<ul style="list-style-type: none">• Digital Circuits and Systems by Prof. Srinivasan, IIT Madras NPTEL• Data Structure and Algorithms - Phase 1 organized by Evolve curriculum validated by Globant. Certification							
POSITION OF RESPONSIBILITY							
<ul style="list-style-type: none">• Coordinator For the Event Consilium in Prastuti'23 ,The Annual Tech Fest held by Department of Electrical Engineering At IIT BHU.• Conference Coordinator at IITBHU MUN 2022.							
HONOURS AND ACHIEVEMENTS							
<ul style="list-style-type: none">• Secured an All India Rank Of 4509 amongst 2 Lakhs+ Students in JEE ADVANCED 2021.• Stood in Top 1.5 Percent Amongst a million Students in JEE Mains 2021.• Secured First Position in Inter Branch Skit Competition in Aagman in Masquerades (Drama Society) IIT BHU.• Got Selected For Inter IIT Cultural Meet 5.0 at IIT Madras, in Masquerades (Drama Society) IIT BHU.							
EXTRA-CURRICULAR ACTIVITIES							
<ul style="list-style-type: none">• Participated in Inter Branch Skit Competition in Aagman in Masquerades (Drama Society) IIT BHU.• Participated in Robotics Summer Camp 2022 Organized by Robotics Club IIT BHU.							

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