

Harashit Naskar

VLSI ENGINEER

West Bengal, India | 9382649147 / 7074407573 | naskarharashit123@gmail.com

LinkedIn Profile: <https://www.linkedin.com/in/harashit-naskar-873369214> |

Objective

To obtain a challenging Physical Design Engineer position in a dynamic and innovative organization where I can use my technical and analytical skills.

Experience

Bandel Thermal Power Station in WBPDC | Technician Apprentice Graduate
Control and Instrumentation Engineering. 2023-2024

Education

Qualification	Stream	Institution	Board/University	Year	Percentage/grade
M. Tech	Microelectronic & VLSI Technology	School of Engineering	Maulana Abul Kalam Azad University of Technology, WB	2024	YGPA-7.0 70%
B. Tech	Electronics & Communication Engineering	Coochbehar Government Engineering College	Maulana Abul Kalam Azad University of Technology, WB	2022	CGPA-8.63 80%
10 th +2	P,C,M,B (Pure Science)	Debnager Moskhoda Dinda School (H.S)	West Bengal Council of Higher Secondary Education	2018	65%

10th	General	Jamtala Bhagaban Chandra High School(H.S)	West Bengal Board of Secondary Education	2016	80%
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GATE QUALIFIED: 2021, 2022

Skills

Analog Circuit Design Analog Circuit Design	Digital Circuit Design	Physical Design	Layout Design
Schematic Design	Circuit Simulation	Parasitic Extraction	Place & Route
Unix Environment	Physical Verification	C	Verilog,VHDL

Tools

- **Virtuoso: Schematic Editor, ADE L, Layout XL, Assura, Verilog-A, NC-Launch**
- **Microwind,**
- **Silvaco**

Projects

Project info	Role & Responsibilities	Tools & Technologies
Temperature Controlled Switch Using ADC Interfaced	Controlling the temperature is aa major problem in our rapidly evolving world and it needs cost-efficient solution. (BTech Final Year project)	8051 Microcontroller. • EDSIM Assembly • Language

Design and compact modelling a Recessed Channel Mosfet	As per the reported trade off of MOSFET reduction of ShortChannel Effects , DIBL , punch through effect and hot carrier effect is the main objective of this work. Reduced Short-Channel Effects (SCEs): Lower DIBL , punch through effect and hot carrier injection compared to conventional MOSFETs and Lowers power consumption for improved efficiency. Achieve these goal recessed channel MOSFET.	Silvaco Atlas

Hobbies and Extra-curricular Activities

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- Reading
 - Football
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