

Nirmal Katariya

CSE with specialization in VLSI | IIT JODHPUR
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EDUCATION

IIT JODHPUR
B.Tech. In Computer Science
& Engineering
2022 | Jodhpur, India

Ashadeep Science Bhavan
CLASS 12
2018 | Surat, India
Percentage: 90.92% (PCM 92.33%)

Archana Vidhya Sankul
CLASS 10
2016 | Surat, India
Percentage: 93.16%

COURSEWORK

UNDERGRADUATE
Computer Programming
Discrete Mathematics
Data Structures & Algorithms
Object-Oriented Analysis & Design
Software Engineering
Theory of Computation
Computer Organization &
Architecture
OS, Computer Networks

SKILLS

PROGRAMMING
Proficient:
C/C++
Familiar:
Python • Java • SQL

WEB DEVELOPMENT
HTML/CSS • Node JS

UTILITIES
Git • FIX • DRAMsim3
• NVmain • MQTT

LINKS

Github:// [Thundernirmal](#)
LinkedIn:// [nirmal-katariya](#)

EXPERIENCE

Consultant

Capgemini | Aug. 2022

- Supported Straight-Through Processing (STP) workflows and trade booking operations as part of the client's front desk support team, ensuring seamless execution of critical trading activities.
- Managed migrations and ensured the smooth operation of production systems for trade booking and flow-related applications, minimizing downtime and enhancing system reliability.

B.TECH. PROJECTS

HyFRAME: A Hybrid Memory Framework for HPC Workloads

B.tech. Project | Jan. 2021| Guide: Dr. Dip Sankar Banerjee

- New main memory architecture with NVM
- Performance benchmark against current DRAM solutions & benefits and cons of hybrid memory using DRAMsim3

DHVANIK: Wearable Tympanometric Diagnostic Tool for Middle Ear Ailments

InterIIT Project | Dec. 2019

- Arduino-based projects using Cloud

POSITIONS OF RESPONSIBILITY

VICE-CAPTAIN Electronics Club | Aug 2019 - May 2020

- Coordinated and managed year-round activities and finance of the Electronics Club at IIT Jodhpur

ACHIEVEMENTS

- Promoted to Consultant from Associate Consultant in Oct 2024 for consistently exceeding performance metrics and demonstrating strong expertise in support work.
- 8th Inter IIT Tech Meet - Bagged 3rd position in Ashoka's Tech for Change Challenge.
- Among the top 2% of applicants in JEE Advanced (2018).

EXTRACURRICULAR

- Member of the organizing team of Industry day and Prometeo '20-Inter college tech fest.
- Multiple small projects on HT12E & HT12D encoder and decoder IC for RF modules