

NAGA ROHITHA.B

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EXPERIENCE

CAPGEMINI | Associate Engineer

OCT 2022 — FEB 2024 | Bengaluru.

- Achieved successful outcomes by maintaining accurate documentation and meeting strict deadlines.
- Captured technical schematics for use in project planning and execution.
- Designed ethernet component circuits and printed circuit board stack up and PCB area Analysis, designed block diagrams and completing interfacing components & Data sheet observations.

PROJECTS

Implementation of digital Phase Lock Loop using CMOS Technology

It is used for frequency synthesizer circuits. The main goal of a PLL is to synchronize the output oscillator signal with a reference signal. Even if the two signals have the same frequency, their peaks and troughs may not occur in the same place. Simply put, they do not reach the same point on the waveform at the same time.

Design and implementation of Low power SOC Memory BIST

Developed a Built-In Self-Test (BIST) mechanism for system-on-chip (SoC) memory, focusing on low power consumption and efficient fault detection

Verilog code for Arithmetic Logic Unit

The Main objective of this project is to design and verify the different operations of Arithmetic and logical unit and FPGA kit implementation of the operations in Xilinx board.

EDUCATION

GITAM UNIVERSITY BENGALURU

MASTERS OF TECHNOLOGY

VLSI (very large-scale integration)

Expected May 2026

SWARNANDHRA COLLEGE OF ENGINEERING AND TECHNOLOGY NARASAPURAM

BACHLORES OF TECHNOLOGY

06/2018 -06/2022

- **Electronics and communication engineering**

SKILL

C Programming

VERILOG

VHDL(Basic)

MATLAB

LINUX

MULTISIM

CADANCE

TOP-SPICE

LT-SPICE

PERSONAL INFO

Date of Birth :12-06-00

Nationality: Hindu

Gender: Female

Marital status: Unmarried

ACHIEVEMENTS

Worked as a School representative in (2015-2016)

ACHARANA Charitable trust: Worked as volunteer and conducted many events successfully during college Narasapuram. (2019 - 2022)

LINKS

GitHub: <https://github.com/BnRohitha>

LinkedIn: https://www.linkedin.com/in/rohitha-bn-776909215/?utm_source=share&utm_campaign=share_via&utm_content=profile&utm_medium=android_app