

SPOORTHI KUMARI

CAREER OBJECTIVE

Motivated postgraduate in VLSI Design and Embedded Systems with a strong academic background, seeking an Assistant Professor / Lecturer position where I can contribute to teaching, mentoring students, and academic growth while continuously improving my subject expertise.

EDUCATION

NMAMIT , Nitte 2021-2022

M. Tech. in VLSI Design and Embedded System
CGPA : 8.78 | Distinction

**Sahyadri College of Engineering and Management ,
Mangalore** 2016-2020

B.E in Electronics and Communication Engineering
CGPA : 6.76 | First class

Sarojini Madhusudan Kushe PU college , Mangalore 2015-2016

Science [PCMB]
Percentage : 86.84 % | Distinction

Chinmaya English Med School, Mangalore 2013-2014

10th
percentage : 83.04 % | First Class

INTERNSHIPS

Digital Verification Intern, SION Semiconductors 2022 - 2023

- Built digital verification environments (Verilog, UVM).
- Developed assertions and improved the quality of regression runs.

Embedded & IoT Intern, Zephyr Technologies 2019

- Developed embedded solutions, integrated sensors/actuators, and focused on IoT-based prototypes

RESEARCH & PROJECTS

AMBA AHB Protocol Verification using UVM 2021 - 2022

Developed a scalable testbench and utilized UVM for advanced verification. Enhanced design coverage and efficiency.

Automated Solar Grass Cutter (IoT & Embedded Project) 2019 - 2020

Designed and implemented an automated solar-powered grass cutter using STM32 microcontroller, IR sensors, and energy-efficient robotics.

Conference Publication 2023

Kumari, S., Niranjan, P. (2024). Design and Verification of AMBA AHB Protocol Using UVM. In: Kalya, S., Kulkarni, M., Bhat, S. (eds) Advances in VLSI, Signal Processing, Power Electronics, IoT, Communication and Embedded Systems. VSPICE 2022. Lecture Notes in Electrical Engineering, vol 1062. Springer, Singapore. https://doi.org/10.1007/978-981-99-4444-6_6.

CERTIFICATES & TRAINING

- Full Stack Data Science Pro by PW (2023–2025).
- CCNA (Cisco Certified Network Associate, 2020–2021).

CONTACT

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TECHNICAL SKILLS

Core Subjects:

- Digital Electronics
- Analog Circuits
- Microcontrollers & Embedded Systems
- VLSI Design Basics
- Signals & systems

Tools / Technologies

- Verilog (Basics)
- Embedded C
- MATLAB (Basics)
- STM32 (Academic level)

ACHIEVEMENTS

- Published research paper in reputable conference.
- Secured distinction in MTech, first class in BE.

ADDITIONAL INFORMATION

- Comfortable working full-time, on-site in Mangalore.
- Ready to take up administrative responsibilities immediately.
- Open to learning any new software, tools, or processes required by the organization.
- Committed to maintaining professionalism, confidentiality, and accuracy in all tasks

LANGUAGES

English (Professional), Kannada, Hindi, Tulu.