MADHUSRI SIVAKUMAR
BE-ELECTRONICS AND COMMUNICATION ENGINEERING

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CAREER OBJECTIVE

I am Passionate about continuous learning and growth, seeking a dynamic company where I can enhance my knowledge and skills each day, while leveraging my qualifications and expertise to contribute to the organization's success through hard work.

EDUCATION

BE(ECE) (**2022-2026)**   Vivekanandha College Of Engineering For Women's, Tiruchengode
                                               Currently pursuing 6th semester with CGPA of 7.8

HSC (**2020-2021**)   Vidyaa Vikas Matriculation Hr. Sec School, Karamadai, With 73%.

SSLC (**2018-2019**)   MMB Memorial matric High School, Thuthurmattam, With 74%

INTERNSHIP EXPERIENCE

- NIT Tiruchirappalli – Digital VLSI Design (June 2025)
- Implemented Asynchronous BRAM FIFO on FPGA with Reduced latency by 20% using optimized logic.
- Hands-on with RTL design, timing analysis, and FPGA implementation.

PROJECTS

- Designed and developed a microcontroller-based system to monitor pulse rate and blood glucose levels.
- Integrated optical sensors with real-time signal acquisition and processing.
- Implemented signal filtering and feature extraction algorithms for glucose level estimation.

TECHNICAL SKILLS

C (Basics), Python (Basics), HTML, SQL, Verilog HDL.

AREAS OF INTEREST

VLSI Design, IoT, Digital Electronics.

SOFT SKILLS

Communication, Teamwork, Leadership, Time Management, Self-Motivation

ACHIEVEMENTS & ACTIVITIES

Active Member, Toastmasters International-enhanced public speaking and leadership skills

Participated in inter-college paper presentations

LANGUAGES

English, Tamil, Malayalam