

YASIKA M

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CAREER OBJECTIVE:

Electronics and Communication Engineering student with a strong foundation in VLSI and Embedded Systems. Skilled in microcontroller programming, digital circuit design, and hardware-software integration. Passionate about applying technical expertise and problem-solving skills in semiconductor and embedded Domains.

ACADEMIC QUALIFICATION:

QUALIFICATION	SCHOOL/ COLLEGE	YEAR	BOARD/ UNIVERSITY	PERCENTAGE
B.E ECE	Chettinad College of engineering and technology	Pursuing	Anna University	8.2% (Up to 6 th Sem)
HSC	St.Gabriel Matric Hr. Sec.School	2022	Convent	75.5%
SSLC	St.Gabriel Matriculation School	2020	Convent	91.8%

TECHNICAL SKILLS:**TECHNICAL SKILLS:**

- Programming : Python, C, Embedded C
- Hardware : Arduino,ESP32, Digital Electronics,
- Simulation Tools : EDA Playground, MATLAB, Xilinx, Multisim
- Hardware Tools : Arduino IOE, Vivado, Microwind, Tinkercad
- Software Tools : Vs Code, Python IDE, Jupyter Notebook

SOFT SKILLS:

- Communication Skills
- Creating a positive environment
- Team work
- Time management
- Adaptability & Flexibility

PROJECTS:

- **Project 1 : Marino Run Game Using Arduino.**

Description: Marino Run Game using Arduino is an interactive game built with Arduino, sensors, and a display module, where players control a character by responding to inputs like buttons or motion sensors. It offers a fun and engaging experience while demonstrating embedded system programming and real-time interaction.

- **Project 2 : Crowd Counting System Using Deep Learning**

Description: Developed an IoT-based real-time energy monitoring system using ESP32 and the Blynk app to track voltage, current, and power usage remotely. Enabled smart energy management and reduced power wastage through instant data analytics.

- **Project 3 : Smart Energy Meter Analysis Using ESP32 & Blynk App**

Description: Developed an IoT-based real-time energy monitoring system using ESP32 and the Blynk app to track voltage, current, and power usage remotely. Enabled smart energy management and reduced power wastage through instant data analytics.

- **Project 4: Automated Obstacle Detection**

Description: Developed an Automated Obstacle Detection system using sensors and computer vision to identify and avoid obstacles in real time, enhancing navigation accuracy and safety. Integrated intelligent algorithms for autonomous movement and environment awareness in robotics applications

- **Project 5: Wireless Digital Fuel Indicators For Cars**

Description: Developed a Wireless Digital Fuel Indicator for cars to display real-time. Used wireless communication for efficient data transfer between the fuel tank sensor and display unit.

INTERNSHIPS:

WEB DEVELOPMENT INTERN SPK TECHNOLOGIES Pvt Ltd

- Completed internship training in Web Development at SPK Technologies Pvt Ltd., gaining hands-on experience in front-end development. Developed responsive web applications using HTML, CSS, and JavaScript under industry-level guidance.

EMBEDDED SYSTEM INTERN CODE BIND TECHNOLOGIES

- Worked on microcontroller-based projects involving sensor integration, circuit design, and embedded C programming. Gained hands-on experience in IoT and embedded system development, focusing on hardware interfacing and real-time applications.

WORKSHOPS:

- I Completed Certification course on Network Security, Cyber Forensics, UI/UX, Machine Learning With Python by **Great Learning**
- Participation in **AMD AI Challenge Workshop** Organized by the Shooting Stars Foundation.
- Participation in **Dr. Kalam Young Achiever Award**, at Chettinad College of Engineering and Technology, Karur.
- I successfully completed Hands on Training on VLSI course Level 1 conducted by **Taras Systems and Solutions**.

TECHNICAL PRESENTATION:

- I have attended Presentation on “Design & Implementation Of Hospital Network Using Cisco Packet Tracer” at Sri Ramakrishna College Of Engineering & Technology.

- I have attended Presentation on “Emerging Simulation Platforms In IoT & Its Applications” at Kongunadu College Of Engineering & Technology.

PERSONAL DETAILS

Father's Name	: Muthamil Selvan S
Mother's Name	: Maheswari M
Date of birth	: 19/10/2004
Permanent Address	: KN Palayam,Pettavaithalai,Trichy(DT)
Nationality	: Indian
Marital status.	: Unmarried
Languages known	:Tamil, English

DECLARATION

I hereby declare that the information provided above is true and correct to the best of my knowledge and belief.

Yours sincerely,

YASIKA M