

# NITHIYA KALYANI R

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## Contact

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## Key Skills

### Technical

Python Full Stack Develop  
Html, Css, Javascript  
Django Framework  
Oracle SQL

### Non-Technical

Team Work  
Communication  
Problem-solving  
Good Organizing Skills  
Project Management

## Programming language

Python

## Objective

"To secure a challenging position in a reputable organization to expand my learnings, knowledge, and skills. Secure a responsible career opportunity to fully utilize my training and skills, while making a significant contribution to the success of the company."

## Education

### 2020-2024

B.E. Electronics and Communication Engineering  
Thamirabharani Engineering College.  
Percentage: 80% or CGPA: 8.0

### 2020

HSC  
Chathiram Bharathi Higher Secondary School, Kadayam  
Percentage: 65%

### 2018

SSLC  
Chathiram Bharathi Girls High School, Kadayam  
Percentage: 80%

## Certified Courses

Completed Digital Circuits course in NPTEL.  
Artificial Intelligence Development Using Python

## Internships

ROBOTICS - VEI TECHNOLOGIES PVT LIMITED  
Web Development – GREENPIXEL IT SOLUTIONS

## Hobbies

Drawing  
Reading Books

## Projects

### Mini Project

#### **TITLE: Smart Blind stick Using Arduino UNO**

"Designed and implemented a Smart Blind Stick using Arduino UNO, integrating ultrasonic sensors for obstacle detection and GPS module for navigation assistance. This innovative device enhances mobility for the visually impaired, providing real-time feedback through haptic and auditory cues, showcasing a blend of hardware and software solutions for accessibility."

### Main Project

#### **TITLE: Energy Efficient High-Speed adders for IMC**

"In the project focused on developing energy-efficient high-speed adders for in-memory computing, we achieved significant advancements in both performance and power efficiency. By designing and optimizing various adder architectures, including ripple-carry and carry-lookahead adders, we successfully enhanced computational speed while reducing energy consumption. Our approach utilized innovative low-power design techniques such as minimizing switching activity and optimizing voltage levels, resulting in substantial improvements in energy efficiency. This work lays the foundation for future research into optimizing high-performance computing systems and contributes to the ongoing evolution of energy-efficient technology solutions"

## DECLARATION

I hereby declare that all the above-mentioned information given by me is true and correct to the best of my knowledge and belief.