

# Nithya Mariam Rajan

Software Engineer

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Enthusiastic about web and app development, with hands-on experience in building real-world projects. Eager to contribute technical expertise and innovative thinking to a dynamic team.

## EDUCATION

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Bachelor of Science in Computer Science | **Amal Jyothi College of Engineering** | Oct 2022 – May 2026

Higher Secondary | Major: Computer Science; Minor: Physics, Chemistry, Maths | **BMM CBSE** | June 2020 – July 2022

## WORK EXPERIENCE

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### Flutter Development Internship | [Link](#) | May 2023

*Reverttech It Solutions*

- Developed cross-platform mobile applications using Flutter and Dart.
- Worked on UI/UX design principles and app performance optimization.
- Built and deployed multiple mobile app prototypes.

### Innovation Workshop | [Link](#) | April 2023

*IDEC Amal Jyothi College Of Engineering, Kanjirapally*

- Explored problem-solving techniques through innovative approaches.
- Developed creative solutions for real-world challenges

### Full Stack Web Development Workshop | [Link](#) | March 2023

*NIT, CALICUT*

- Gained hands-on experience in front-end and back-end development.
- Built web applications using HTML, CSS, JavaScript, and server-side frameworks.
- Strengthened skills in modern web technologies and deployment strategies.

### Robotics Workshop | [Link](#) | March 2023

*RIT, Pampady*

- Designed, built, and programmed basic robotic systems.
- Gained foundational knowledge in automation and AI-driven robotics

### Tink-Her-Hack Hackathon | [Link](#) | February 2025

*IEEE Amal Jyothi College Of Engineering, Kanjirapally*

- Collaborated in a team of three to build a web-based itinerary generator for Kerala tourism.
- Developed an interactive front-end using HTML, CSS, and JavaScript.
- Enhanced skills in UI design, problem-solving, and rapid web development.

## SOFTWARE PROJECTS

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### Travel Website - SpotOn

- Developed *SpotOn*, a travel website using React and MongoDB for generating personalized itineraries based on user preferences and mood.
- Designed an intuitive and interactive UI for effortless trip planning and destination discovery.

### Personal Portfolio Website

- Designed and deployed a personal website showcasing skills and projects using HTML, CSS, and JavaScript.
- Optimized for responsiveness and user engagement.

### Google Drive Clone

- Developed a functional file storage and management system using HTML and Material CSS.
- Implemented file upload, organization, and display features.

### EXPLOREO - Travel Itinerary Generator

- Developed *Exploreo*, a Kerala-based Travel Itinerary Generator using HTML, CSS, and JavaScript to create custom travel plans based on user inputs.
- Implemented features like dynamic itinerary generation and weather-based activity suggestions for an enhanced planning experience.

### Ludo Game

- Programmed a digital Ludo game using python implementing core game logic, random dice rolls, and player movements.
- Strengthened algorithmic thinking and problem-solving skills.

### Facebook Clone

- Built a simplified version of Facebook's UI using HTML and CSS.
- Focused on layout structuring and user interaction.

### Hotel Management System

- Designed a SQL-based system for managing room bookings, customer details, and payments.
- Improved database management and real-world data handling skills.

TECHNICAL SKILLS

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- **Languages :** Python, JavaScript, C++, Java
- **Web Development:** HTML,CSS,React,Flutter,Firebase,SQL,NoSQL
- **Tools & Platforms:** Git, GitHub, VS Code, Unix,Linux
- **Core Skills:** DSA, Object-Oriented Programming (OOP), UI/UX Design, App Development, Problem Solving

CERTIFICATES

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- Python Course Completion – Kaggle
- Machine Learning with Python – FreeCodeCamp
- Full Stack Development – Udemy
- Flutter Development – Reverttech Solutions

EXTRA-CURRICULAR ACTIVITIES

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- **Member, IEEE (College):** Participated in technical events and hackathons.
- **Event Volunteer (College):** Assisted in organizing and managing college events.
- **Community Volunteer (MGOCSM, School):** Engaged in social work, including food distribution and community service

PERSONAL INTERESTS

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- Passionate about sports, teamwork, and fitness.
- Enthusiastic about creative fields like drawing, photography, and video editing.