

# MARAM KALPANA

Full Stack Developer — AI & Machine Learning  
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## Career Objective

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Full Stack Developer with hands-on experience in **React**, **React Native**, **REST APIs**, **SQL**, and strong foundations in **AI**, **Machine Learning**. Seeking an entry-level role to build scalable, data-driven applications.

## Technical Skills

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**Languages:** Python, C, C++, JavaScript

**Frontend:** React js, React Native, JavaScript, HTML, CSS

**Backend:** REST APIs, Node.js (Basics)

**Database:** SQL, MangoDB

**AI/ML:** Machine Learning(Intermediate), CNN

**Tools:** Git, VS Code

**AI Tools:** Stitch, Lovable, Cursor

## Experience

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**Full Stack Developer Intern** — Zaktis IT Solutions

*Nov 2025 – Present*

- Developing a **Society Management Mobile Application** using React Native.
- Implemented authentication, role-based access, REST API integration, and local storage.
- Built reusable UI components and optimized application performance.

**AI Data Analyst Intern** - The AI SCHOOL

*Aug 2025 – Oct 2025*

- Performed data cleaning, preprocessing, and exploratory data analysis using Python.
- Applied machine learning techniques to identify patterns and trends.
- Created visualizations to support data-driven decision making.

## Projects

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### Society Management Application

- Mobile application to digitalize residential society operations.
- Modules include member management, notices, complaints, and maintenance tracking.
- Improved communication efficiency between residents and administrators.

### Ship Extraction Using Post-CNN

- Developed a Post-CNN based deep learning model for ship detection from satellite images.
- Applied image preprocessing and feature extraction techniques.
- Achieved improved detection accuracy under varying weather and lighting conditions.

### IoT Botnet Attack Detection

- Built a ResNet-18 based framework to detect DDoS attacks in IoT networks.
- Classified normal and malicious traffic for early attack detection.
- Enhanced network security by reducing false positives in attack detection.

## Education

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**B.Tech in Computer Science and Engineering** — GPA: 8.46

Trinity College of Engineering and Technology, Peddapalli

**Intermediate (MPC)** — GPA: 9.58

Trinity Junior College, Peddapalli

## Certifications

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- NPTEL – Python for Data Science
- Oracle Academy – SQL
- Python Certificate from Hacker Ranker

## Achievements

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- College Topper
- Class Representative
- RD Co-Ordinator
- National-level sports participant

## Interests

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- Full Stack Development
- AI & Machine Learning
- Health & Fitness