

# Kamala Shree T C

## Python Full Stack Trainee

✉ kamalashree128@gmail.com ☎ 9345271456 📍 Krishnagiri , TamilNadu

🌐 [linkedin.com/in/kamala-shree-t-c](https://www.linkedin.com/in/kamala-shree-t-c)

### OBJECTIVE

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Detail-oriented Python Full Stack Developer with knowledge of frontend (HTML, CSS, JavaScript) and backend development using Python and Flask. Skilled in problem-solving , MySQL database management, and building responsive web applications. Seeking an entry-level opportunity to apply technical skills to real-time projects and grow as a full stack developer.

### EDUCATION

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**Computer Science & Engineering(Artificial Intelligence & Data Science)** 09/2021 – 07/2025  
Sastra Deemed University Thanjavur, India

**Board Of Intermediate(MPC)** 05/2019 – 06/2021  
Sri Chaitanya Jr College Vijayawada, India

**Vailankanni Matric Higher Secondary School** 2019  
Tamil Nadu, India

### PROFESSIONAL EXPERIENCE

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**Python Full Stack Trainee** 12/2025  
Codegnan IT Solutions - Vijayawada (ongoing)

- Learned to write programs in python by using IDLE (Integrated Development and Learning Environment) and solve real-time problems.
- Developed skills in creating real-world and database-driven applications by using MySQL and Flask.
- Developed skills in front-end development using HTML, CSS, and JavaScript to create responsive, user-friendly web interfaces and dynamic single-page applications.

### PROJECTS

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#### Enhancing Seismic Risk Analysis Through Ensemble Learning : A Case Study in Nepal:

Tools Used : Jupyter Notebook

- The Study focuses on assessing the seismic vulnerability of buildings in Kavrepalanchok District in Nepal , using an Extreme Gradient Boosting (XGBoost) model.
- The model is trained on building survey data from the 2015 Gorkha earthquake.
- To address class imbalance , the Synthenic Minority Over-Sampling Technique (SMOTE) is applied. The model's performance is evaluated , and the most significant features influencing building vulnerability are identified using SHapley Additive exPlanations(SHAP).
- The results show that the show that the SMOTE-XGBoost model outperforms other machine learning models in predicting building damage.
- The foundation type, roof type, and building age are identified as key factors affecting vulnerability.

### TECHNICAL SKILLS

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- Python
- HTML
- CSS
- JavaScript
- Flask
- MySQL
- Data Structure

## **LANGUAGES**

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- Telugu
- English
- Kannada
- Tamil
- Hindi

## **STRENGTHS**

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- Open-minded
- Learning from experiences
- Down to earth

## **HOBBIES**

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- Dancing
- Singing Songs
- Cooking