

Kamala Shree T C

Python Full Stack Trainee

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OBJECTIVE

Detailed-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

Computer Science & Engineering(Artificial Intelligence & Data Science) <i>Sastradeemed University</i>	09/2021 – 07/2025 Thanjavur, India
Board Of Intermediate(MPC) <i>Sri Chaitanya Jr College</i>	05/2019 – 06/2021 Vijayawada, India
Vailankanni Matric Higher Secondary School	2019 Tamil Nadu, India

PROFESSIONAL EXPERIENCE

Python Full Stack Trainee <i>Codegnan IT Solutions - Vijayawada</i>	12/2025 (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

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 Synthetic 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

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

LANGUAGES

- Telugu
- English
- Kannada
- Tamil
- Hindi

STRENGTHS

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

HOBBIES

- Dancing
- Singing Songs
- Cooking