KAMAL. K

PYTHON_FULLSTACK_DEVELOPER

☎ +91 8754245838
✉ ramkamal5886@gmail.com
GitHub
LinkedIn

CHENNAI, TAMIL NADU.

OBJECTIVE

I am a motivated and detail-oriented Computer Science graduate with a strong foundation in python, SQL, and database management. Eager to learn and grow in a collaborative environment while ensuring data integrity and optimizing database performance to support team.

Seeking an entry-opportunity to apply my skill and knowledge and continue learning and growing with a dynamic organization.

TECHNICAL SKILLS AND SUMMARY:

Front-end Technologies : HTML, CSS, JavaScript, React.js

Python Technologies : Python Basics, Object-Oriented Programming (OOP. Python Dictionaries.

  Tkinter: Built into Python, it provides basic GUI components.

Back-end Technologies : Django framework, Flask.

Relational databases : SQL, MySQL, SQLite3.

Operation System : Windows7 to 11.

IDEs & Tools : MS offices, SQL workbench, PyCharm, vs code,

  Backend (Table Mapping Tool: DB designer), python IDEs, Git version control.

SUMMARY:

FRONT-END: (HTML, CSS, JavaScript, React.js)

JavaScript: Adds interactivity and dynamic behaviour to web pages.

React.js: A JavaScript library for building user interfaces with reusable components.

Python: Basics: Data types, control structures, functions, and modules.

Object-Oriented Programming (OOP): Classes, inheritance, and encapsulation.

Tkinter: Built into Python, it provides basic GUI components.

Tkinter is a built-in Python library used for creating graphical user interfaces (GUIs). It provides a set of tools and components that allow developers to create windows, dialogs, buttons, labels, text entry fields, and other GUI elements in their Python applications. Tkinter is based on the Tk GUI toolkit, which is a popular and widely used toolkit for creating GUIs.

Database: - SQL, MySQL, SQLite3, Mapping Tool: DB designer

- Join operations, Views, Group Functions, Command Functions, Stored Procedure.

Communication, Teamwork, Problem-Solving Adaptability is best qualification

SOFT SKILLS:

- Problem Solving and Critical Thinking

- Attention to Detail and Accuracy

- Collaboration and Teamwork

- Time Management and Prioritization

- Adaptability and Flexibility

WORKING EXPERIENCE:

Freelancing:

Go Travel – July-2024

Role: Backend (word with python, Django, SQLite3)

Project: New travel website

Client: traveling company

SUMMARY:

A travel company website is a digital platform designed to assist users in planning, booking, and managing their trips. It typically features:

1. Destination Information: Highlights popular destinations with details about attractions, activities, and cultural insights.
2. Search and Booking Tools: Provides search options for flights, hotels, car rentals, and vacation packages, often with filters for budget, dates, and preferences.
3. Customizable Packages: Offers pre-designed travel packages with options to tailor itineraries based on individual needs.
4. Travel Guides and Blogs: Includes articles, travel tips, and recommendations for travelers.

Project Overview:

- **Objective:** To design and offer unique travel packages that cater to various interests and budgets, enhancing customer travel experiences.
- **Target Audience:** Families, adventure seekers, luxury travellers, cultural enthusiasts, etc.

SUMMARY:

- **Frontend Development**:
  Expertise in creating responsive and interactive user interfaces using HTML5, CSS3, JavaScript, and modern frameworks like React.js.
- **Backend Development**:
  Proficient in developing robust APIs and microservices using Django, Flask, and Fast API, with a focus on performance optimization and code maintainability.
- **Database Management**:
  Skilled in designing and querying relational databases like MySQL and SQLite3, with experience in optimizing database performance and ensuring data integrity.

PROJECT

Job application using Database (MYSQL): ↗

- MySQL is a popular relational database management system (RDBMS) that uses Structured Query Language (SQL) for accessing and managing data. It's widely used for web applications and data storage.

- A job application management system (jams) project using MySQL as the database management system (dbms),

- you'll want to focus on designing a schema that handles job postings, applicants, applications, and potentially interviews or user management.

- here's a structured outline for documenting and presenting your MySQL-based project.

Mobile shop in Tkinter and SQLite3: ↗

Objective: To build a simple GUI application for managing a mobile shop that allows users to add, view, update, and delete mobile phone records.

- This Mobile shop Management System project aims to develop a robust web application for managing a mobile store in tkinter and then database using sqlite3.
- This application will provide users with a feature-rich platform to browse, purchase, and manage mobile devices, accessories, and related items.

Project Structure:

- **Main Application Window**: Tkinter GUI setup.

- **Database**: Use SQLite to store mobile phone data.

- **Functions**: To handle add, view, update, delete, and search functionalities.

EDUCATION

M.Sc. computer science

Syed Ammal arts and science college, Ramanathapuram.   (71%)   2021 – 2023

B.Sc. Computer science:

Syed Ammal arts and science college, Ramanathapuram.   (71%)   2018 – 2021

CERTIFICATIONS

Frontend (HTML5, CSS3, JavaScript, React.js**)** Certification - Besant Technologies

Python certification – Kalvi Institute **Tkinter** (96%), Besant Technologies

MySQL Certification - Besant Technologie

Backend (Django framework, Flask**.)** Certification - Besant Technologie