

Sugan Balan

Full Stack Python Programmer | MCA Graduate

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Education

- Master of Computer Applications (MCA) – 2024 | KGiSL IIM | Coimbatore.
- B.Com with Computer Applications (B.com CA) - 2020 | KGCAS | Coimbatore.
- Full Stack Python Developer Training - 2024 | SLA Institute | Chennai.

Skills

- **Programming Languages:** Python, SQL, HTML, CSS, Javascript(core), MySQL .
- **Frameworks & Library:** Django , Bootstrap, Pandas and NumPy.
- **Tools:** VS Code, MySQL workbench, Jupyter.
- **Soft Skills :** Adaptability, Multitasking, Flexibility, Quick Learning.
- **Languages :** Tamil , English

Projects

- **E - Commerce Web App**
 - Developed a full-stack online store similar to Flipkart and Amazon, enabling users to buy and sell products.
 - Implemented product viewing, user authentication (login/logout), and CRUD operations to manage and edit product details.
 - **Features to be developed:** Payment integration (Razorpay), product filtering, admin panel, and customer review input.
 - Built using **Python, Django, MySQL**, and front-end framework **Bootstrap**.
- **Caesar Cipher**
 - The project implements encryption and decryption techniques by shifting alphabets based on a given key.
 - This project enhanced my understanding of string manipulation, loops, and basic cryptography concepts in Python
- **Hangman game**
 - The project involved implementing logic for word selection, tracking correct and incorrect guesses, and displaying progress. It strengthened my skills in loops, conditionals, and user interaction handling.
- **Others**
 - I have developed various Python projects, including Password Generator , Stone-Paper-Scissors Game, and BMI Calculator, utilizing different modules. Additionally, I built web-based projects like Dice Game, Drum Kit, Portfolio Website, Simon Game, and more, enhancing my skills in JavaScript, HTML, CSS and DOM

Certificate

- **Full Stack Python Programming (SLA)**
 - Mastered Fundamental python syntax, Proficiently utilizing control flow , loops, functions, data structures and libraries & framework (Pandas, numpy and Django) and web technologies
- **IOT (NPTEL)**
 - Completed with certification and applied the concept in an academic project: smart Dustbin
- **Web Development Bootcamp - 60 % completed (Udemy)**
 - Mastered Web Technologies Concepts like DOM , NPM and Express js