

# Sugan Balan

Full Stack Python Programmer | MCA Graduate

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## Education

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

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## Skills

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- **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

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## Projects

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- **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

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## Certificate

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- **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