

## Muhammed Shaheer

Professional Title

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### Skills

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Python | Django | Django-Rest | Tailwind | SQL | Javascript | Flutterwave | Bootstrap | Google collab | HTML | CSS | Jupiter | Postman | YOLO | PostgreSQL | Pycharm | DataStructure | System Design | Problem Solving| Team-Management | Communication - **All professional are proficiency above**

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### Experience

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**Self Stack** | Python Developer - Intern

Calicut,Kerala | 03/2023 - Present

- Completed multiple projects utilizing the latest technologies while adhering to company standards and best practices.
- Implemented efficient data structures in projects, optimizing computing performance and reducing complexity, which resulted in faster execution times and improved resource efficiency.
- Designed and implemented an enhanced system architecture for the project, leading to improved performance and scalability.

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### Projects

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#### E-Commerce Website - Python

Developed the back-end logic for an e-commerce website named "UNDEFEATED" using Python and the Django-Rest framework, integrated with a **PostgreSQL** database. Implemented API endpoints for managing product data, user authentication, and order processing. Implemented the **MPTT** model for hierarchical data, **1NF** and **3NF** for database **normalization**, **audit logging**, **loggers**, **nested-serializers**, **nested-routers**, **JWT** for authentication, and integrated the **Flutterwave** payment gateway. [Code](#)-:

#### Soccer Analysis

Initiated an Innovate soccer analysis project using **YOLOv5**, where it integrated advanced computer vision techniques to detect objects and measure players' distances. Such a tool would be of great importance to coaches, analysts, and soccer fans by providing complete and correct insight into the game. This is because through the identification of the players, ball, referees, and distances between players, this adds to game strategy and performance analysis. [Link](#)-:

#### Chat App

Within **4 hours**, I managed to create a chat application that allows user authentication, real-time messaging, and commenting. This involved the execution of secure authentication in order to protect users' data and the development of scalable messaging and commenting systems based on the number of concurrent users. This project clearly demonstrated that I am able to quickly design, develop, and deploy complex applications while keeping heads up in performance, security, and user experience.

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## Education

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**Calicut University** | Bachelor's Degree

jun 2019 - Mar 2022

Bachelor of Computer Application (BCA)

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## Online Presence

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Author of a blog on Medium focused on Data Structures and Algorithms (DSA), covering topics such as computational complexity, algorithm types, algorithm analysis, and various data structures.

[Link](#)

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## Achievement

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- Did many challenges on **LeetCode**, winning awards—showing skill in algorithms, data structures, and coding.
- Achieved intermediate-level certification in REST API development on **HackerRank**, highlighting solid expertise in API design and implementation
- Completed all lessons and projects on the **CodeChef** platform, earning a certificate of achievement and gaining comprehensive proficiency in Python programming.