

# Sankalp Sodagum

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Linkdln: <https://www.linkedin.com/in/sankalp7/>

Coding Profiles: [Codechef](#) [Leetcode](#) [GFG](#)

## EDUCATION

- Indian Institute Of Information Technology** Kerala, India  
*Bachelor of Technology - Computer Science; GPA: 8.5* *July 2020 - Present*  
*Courses: Operating Systems, Data Structures, Analysis Of Algorithms, Cloud Computing, Artificial Intelligence, Machine Learning, Networking, Databases, Parallel computing*

## EXPERIENCE

- India Khelo Football - IKF** Remote  
*Backend Intern* *August 2022 - October 2022*
  - Project::** Building India's First Football Talent Scout Website
  - Description::** Engineered the backend architecture of a football community website using Python and Django; leveraged Django models to integrate frontend functionalities, resulting in enhanced user experience and increased engagement across all stakeholders
  - Tech Stack:** Python, Django, SQL, MariaDB
- MDR Consultants** Remote  
*Software Development Engineer* *October 2022 - December 2022*
  - Project::** Automation of Documentation for Medical Device Consultants
  - Description::** Worked on automating the process of creating medical documents for consultants. Utilized image and text detection, as well as Python libraries for manipulating Excel files. This automation significantly reduced manual document creation time from 50 minutes to approximately 10 minutes, resulting in an 80% increase in efficiency. The automation was also integrated into a user-friendly website, enabling employees to conveniently access and leverage the automation tools and functionalities.
  - Tech Stack::** Python, AWS, BeautifulSoup, Machine Learning, Django
  - Impact::** Successfully completed assignments, met deadlines, and demonstrated the ability to learn and adapt quickly in a fast-paced consulting environment.

## PROJECTS

- Djinsta:** Designed and developed a social media web application with key functionalities including posting, following, commenting, like, chat, and notifications.  
Used AWS RDS(MySQL) for database  
Added a seamless group chat functionality utilising Redis, websockets, and Django Channels. This functionality enables real-time user communication. The programme uses Redis to store and retrieve messages.  
Dockerized the application and deployed it on AWS EC2 instance  
Gained insightful knowledge of AWS and backend technologies like docker,redis sockets.  
Tech:-(Django,Django Channels,Redis,Websockets,AWS RDS(MYSQL),AJAX,Docker,Bootstrap)(Mar '23)  
[—Live Link—](#)
- Library Management System:** Library Management System With Admin And Student Login. Admin can add, delete and issue books to logged in students.  
Students can view the books issued to them along with a fine calculator.  
Tech:-(Django,AJAX,SQL)(August '22)  
[—Repo Link—](#)

## SKILLS SUMMARY

- Languages:** Python, C, C++, SQL, JavaScript, Bash
- Frameworks:** Django, Bootstrap, Socket.io, Django REST Framework
- Tools:** GIT, Github, Docker
- Platforms:** AWS, Heroku, Firebase
- Databases:** MYSQL, PostgresSQL, MongoDB

## CERTIFICATES AND ACHIEVEMENTS

- Python Full-Stack Developer(Udemy)(04/2022 - 06/2022) [—Certificate Link—](#)
- Cloud Computing On AWS(Udemy)(06/2023 - 07/2023) [—Certificate Link—](#)
- Achieved AIR 57 in codechef december long challenge
- Member of IIIT-K IOT research group
- Codechef max 1620 rating [—Codechef Profile Link—](#)
- Contributed in developing the AIC-IIITK Website for our college.