

Sankalp Sodagum

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

EDUCATION

- **Indian Institute Of Information Technology** Kerala, India
Bachelor of Technology - Computer Science; GPA: 8.5 *November 2020 - Present*

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.

PROJECTS

- **Djinsta - Social Media Platform: ([Repo Link](#) / [Live Link](#)):**
 - Designed and developed a social media web application with key functionalities including posting, following, commenting, stories, like, chat, and notifications
 - Added stories feature, With Stories, users can share photos and videos that disappear from their Feed after 24 hours.
 - Developed a seamless group chat functionality utilising Redis, websockets, and Django Channels
 - Integrated a feature for users to post a poll containing two images and get the results
 - Dockerized the application and deployed it on AWS EC2 instance
 - Tech:- **Django, Django Channels, Redis , Docker, Websockets, MySQL, AJAX**
- **FocusLearn YT - Educational Video Learning Platform : ([Repo Link](#)):**
 - Developed an innovative educational web application that helps students learn better via AI-driven quizzes, video summary, and a distraction-free setting
 - Integrated **ChatGPT-AI tool** which utilizes YouTube video transcripts to create interactive quizzes featuring 10 thoughtfully crafted questions related to the video's content
 - Implemented a note making feature where users can create account and make notes on their favourite videos to view them later
 - Optimized web app performance with Nginx and Gunicorn for better user experience and interactivity
 - Tech:- **Django, Docker, Redis, OpenAI API**

SKILLS SUMMARY

- **Languages:** Python, Java, SQL, JavaScript, C
- **Frameworks:** Django, Bootstrap, Django REST Framework
- **Tools:** GIT, Github, Docker, Kubernetes, Nginx, Ansible
- **Platforms:** AWS, Firebase
- **Databases:** AWS RDS, MYSQL, Redis, MariaDB, MongoDB

CERTIFICATES AND ACHIEVEMENTS

- Kubernetes (Udemy) (12/2023 - 01/2024) ([Certificate Link](#))
- Cloud Computing On AWS (Udemy) (06/2023 - 07/2023) ([Certificate Link](#))
- Python Full-Stack Developer (Udemy) (04/2022 - 06/2022) ([Certificate Link](#))
- Achieved AIR 57 in codechef december long challenge
- Contributed in developing the AIC-IIITK Website for our college.