

SWAROOP UDGAONKAR

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EDUCATION

The University of Texas at Dallas, Dallas, TX
Master of Science in Computer Science

MAY 2024

Pune University, Pune, India
Bachelor of Engineering in Computer Engineering

JUNE 2022

SKILLS & CERTIFICATIONS

Languages: Python (w/ framework Django, Flask) | C | Java (w/ framework Spring Boot, Spring Security) | C++

Web: HTML | CSS | JavaScript

Databases/ Cloud: MySQL | MongoDB | PostgreSQL | AWS | Azure

Certifications: Data Analytics (Google), Python for Everybody (University of Michigan), Concepts of Blockchain

Operating Systems: Windows, Linux

WORK EXPERIENCE

Machine Learning Intern | Feynn Labs, Guwahati, India

AUG 2021 - OCT 2021

- Created a software system using SVM model for automated recruitment process which assigned scores for the profiles according to job role and help in reducing manual filtering of applications for a given job role
- Worked in an agile-team of 4 and carried out market segmentation of electric vehicles by considering various geographic, demographic parameters using Ensemble Machine Learning models consisting of SVM, Knn, k-means, Random Forest and helped the client to launch their start up in India

Developer Intern | Algorithmic Electronics, Pune, India

AUG 2020 - OCT 2020

- Designed a face detection system using **Python**, OpenCV to detect people in a video coming from CCTV camera and check whether they are following social distancing norms during Covid-19 times
- Incorporated automated SMS alert system using Twilio service and email alert system to alert the concerned authorities if someone is detected not following the norms

Student Intern | Hodek Edge Pvt Ltd, Pune, India

AUG 2020 - SEPT 2020

- Remodeled existing architecture of organization's new product 'Ispick' and removed bugs in phase 1 using **Java**
- Collaborated with the Project Manager and gave technical solutions to make improvements for customer satisfaction of the product

PROJECTS

Course Management System ([GitHub](#))

AUG 2022 – DEC 2022

- Implemented a **Java** based web app using Spring Boot, Spring Security to manage courses for instructors and students and in saving manual efforts
- Collaborated with an **Agile** team of 5 and ensured that the bigger impact features are worked on a priority basis

Telemedicine System ([GitHub](#))

AUG 2022 - DEC 2022

- Architected a Telemedicine system by working in an **Agile** team of 4 and created ERDs and the database consisting of complex SQL queries in MySQL
- Created a webapp using **Java**, **JavaScript** to help the patients leverage the services of the Telemedicine System

Posture Estimation for Yoga Asanas ([GitHub](#))

SEPT 2021 – MAY 2022

- Built a **web app** using **Flask** to estimate the posture of a person performing Yoga Asanas using dilated temporal convolutional networks to achieve an accuracy of 82%
- Integrated Siamese network in the system to find the similarity between the performed posture and the correct posture and generated a readable report to the user to help correct the posture while performing Yoga

PUBLICATIONS

Posture Estimation for Yoga Asanas, International Journal of Current Engineering and Scientific Research (IJCESR), Volume 9, Issue 5 ([Publication](#))

MAY 2022

ORGANIZATIONS, VOLUNTEERING AND LEADERSHIP

- Participant iFriend**, Intercultural Programs, The University of Texas at Dallas
- Team Lead**, Project and Events Team, The Dhyas Foundation, Pune
- Committee Member**, Computer Society of India (CSI), MMCOE Pune, India

AUG 2022 – DEC 2022

SEPT 2021 – NOV 2021

AUG 2020 – JUL 2021