

VARUN SANJAY MHATRE

An enthusiastic engineer with progressive mindset who likes learning new technologies

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INTERNSHIPS

Larsen & Toubro Infotech Limited

Jan 2021 – Current

- Worked on a Time Series Forecasting problem in which prediction was done on the number of tickets which could be raised at a particular time in future.
- Automated the Backend process of a Service Request Dashboard. The Dashboard provides visual representation of the total requests, closed requests and completed requests.
- Developed a Text Article Prediction Model which suggests Troubleshooting steps for a problem based on its Short Description as provided by the user.
- All the projects were developed using python and deployed using FLASK module.

PROJECTS

Lung Cancer Detection using CT Scan Images

July 2020 – November 2020

- A method to detect Lung cancer using CT scan images was implemented. On detecting the tumour, its size i.e. diameter of the tumour was predicted. Using this findings the Cancer was classified into stage1 or not stage1 (higher stage).

Health Monitoring System for Dairy Cows

January 2020 – May 2020

- An IoT and Machine Learning based system was implemented for Monitoring health of Cow by keeping track of Heart Rate, Body Temperature, Relative Humidity, and Rumination Rate of Cow.

Motor Control and Water Level Detector using Global System for Mobile Communication (GSM) for Agricultural Purposes

December 2019 – January 2020

- A GSM based system which can be controlled using Mobile Text Messages to ON/OFF Motor, get water level & read field parameters such as Temperature & Humidity.

PUBLICATIONS

Conference Paper Presentations

- Varun Mhatre, Vishwesh Vispute, Nitin Mishra, and Kumar Khandagle, "IoT based Health Monitoring System for Dairy Cows," International Conference on Smart Systems and Inventive Technology, Tirunelveli, India, August 2020.

EDUCATION

Electronics Engineering

Sardar Patel Institute of Technology (2021)

CGPA: 8.77

Higher Secondary Certificate

Vinayak Ganesh Vaze College (2017)

Percentage: 74.77%

Secondary School Certificate

Saraswati Vidyalaya Prasarak Trust (2015)

Percentage: 91.4%

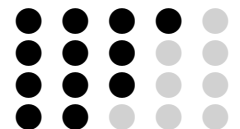
PROGRAMMING LANGUAGES

Python 3

C

HTML

JS & CSS



TECHNOLOGIES/Frameworks

Tensorflow

Scikit-Learn

Time Series Forecasting

MATLAB

FLASK

SQL

CERTIFICATIONS



Python Programming

A Python Masterclass on Udemy which consisted of Python basics, File reading/writing, and Object Oriented Programming concepts.



Machine Learning

The Course consisted of hands on experience on Regression and Classification Models, and concepts of Neural Networks, Convolutional Neural Networks and Natural Language processing.



C Programming

C masterclass along with Data Structure Implementation (Linked List, Stacks & Queues).

SOCIAL WORK



Afroz Shah Foundation

Actively Participated in Beach Cleaning Activities at Dana Pani Beach, Mumbai