

Sandhya V

DOB - 3 Dec, 1996

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EDUCATION

ACHARYA INSTITUTES

M.TECH IN COMPUTER SCIENCE
& ENGINEERING
CGPA : 9 / 10
2019 - 2021 | Bengaluru

GOPALAN COLLEGE OF ENGINEERING & MANAGEMENT

B.E - COMPUTER SCIENCE &
ENGINEERING
CGPA : 8.06 / 10
2015 - 2019 | Bengaluru

CERTIFICATIONS

Troubleshooting and Debugging
Techniques
Ongoing | Coursera

Introduction to Git and GitHub
April 2023 | Coursera

Using Python to Interact with the
Operating System
March 2023 | Coursera

Crash Course on Python
Feb 2023 | Coursera

SKILLS

PROGRAMMING

Languages:

- Intermediate : Python | SQL
- Novice : C | C++

Tools & Technologies:

MySQL | Tableau | GIT | IDLE |
Microsoft Office Suite | Flask |
Jupyter Notebook

Operating Systems:

Windows | Linux

EXPERIENCE

X-CIENCIA TECHNOLOGIES INDIA PVT LTD | INTERN

Aug 2020 – Oct 2020 | Bengaluru

- Worked on forecasting of crude oil prices using LSTM technique.
- Visualized the resultant values predicted by the Neural Network against the actual values using Matplotlib.

LIVEWIRE | SUMMER INTERN

Jul 2018 – Aug 2018 | Bengaluru

- Worked on a shopping cart application using Python, MySQL and Tkinter
- Reduced time and human effort by automating the Inventory management.

PUBLICATIONS

MACHINE LEARNING BASED CROP YIELD PREDICTION ON GEOGRAPHICAL AND CLIMATIC DATA

Sixth International Conference on Image Information Processing (ICIIP) 2021,
doi: 10.1109/ICIIP53038.2021.9702556.

Link - <https://ieeexplore.ieee.org/document/9702556>

PROJECTS

MACHINE LEARNING BASED CROP YIELD PREDICTION ON GEOGRAPHICAL AND CLIMATIC DATA

Feb 2021 – Aug 2021

- Compared different **machine learning regression models** using two different performance measures.
- Enhanced the performance of the models through hyperparameter tuning using **GridSearchCV**.
- Tech stack : **Python, Flask, IDLE**

SMART CROP RECOMMENDATION SYSTEM

Apr 2020 – Jun 2020

- Developed a recommendation system that predicts the most suitable crop for various soil and climatic parameters.
- Worked on decision tree classification and achieved an **accuracy of 91%**.
- Tech stack : **Python, Tkinter**

AWARDS

- "Second Topper" in B.E., Dept. of Computer Science and Engineering | 2019
- "Award of Excellency" for Class 10th in academics | 2012-13
- "2nd Runners-Up" in All India Abacus (IMA) competition | 2010