Email: samarthmeghani1@gmail.com
Phone: +91-70603 87401
Linkedin.com/in/samarthmeghani/
github.com/Samarthmeghani

Samarth Meghani

Technical Skills: Python (Scikit-learn, NLTK, PyTorch, TensorFlow, Keras, Tensorboard), C++, JAVA, SQL, R

Certifications: Microsoft Certified: Azure AI Engineer Associate,
Applied Machine Learning with Python, Coursera

EDUCATION			
Board	**Tenure**	**Educational institution**	**CGPA/Percentage**
B. Tech (CSE)	July 2020 –Ongoing	VIT Bhopal University	8.92/10
Class XII	May 2020	Simpkins School	95.3%
Class X	June 2018	Simpkins School	94%

ACADEMIC PROJECTS	
Machine Learning	▪ **Conversion of Hand Gestures to Text (June 2022)** - Description:User-friendly Human Computer Interface where the system understands the human sign - Technology: Python, Hunspell, TensorFlow, Keras & OpenCV - Team Project: 2 members - Role: Implement the deep learning model to predict the alphabets using the hand gestures - Link: github.com/Samarthmeghani/Hand_gesture_to_text
Machine Learning	▪ **Image Compression and expansion using autoencoders (May 2021)** - Description: Model compresses and decompresses the image without losing much features. - Technology: Python, Keras and TensorFlow - Team Project: 4 members - Role: Created the architecture of autoencoder model for expansion of image.

INTERNSHIP	
CSIR SERC Labs Jan 23 – Ongoing	▪ **Research Intern:** - Developing a Multiscale Framework for Investigating the role of Carbon-based Nanomaterials under the supervision of Prof. Principal Scientist Dr. Srinivasa Babu Ramisetti - Working with a Multivariate Time series dataset that requires data processing before being put to use in deep learning and statistical models. - Implemented three deep learning models and break the State of the art and proposed new approach.
IIT Indore Jun 22- Oct 22	▪ **Sarcasm Detection:** - Working on detection of sarcasm using multi-modalities on the MUStARD dataset (Multimodal Dataset) under the guidance of Prof. Nagendra Kumar, Indian Institute of Technology, Indore. and Prof. Shekhar Nayak, University of Groningen. - My role is to implement the text based deep learning models like Bert, Glove for embeddings and to try different Dimensionality reduction techniques. ▪ **Predicting Atmospheric Rivers:** - Engaged in the prediction of Atmospheric Rivers (AR) by calculating IVT values for characterizing AR using deep learning techniques like autoencoder with LSTM, ConvLSTM models under the guidance of Prof. Nagendra Kumar, Indian Institute of Technology, Indore. - Assisted in writing the research paper, currently under review in Global and Planetary Change ScienceDirect Journal.

EXTRA-CURRICULARS AND ACHIEVEMENTS	
Achievements	▪ Awarded with the Research Internship Awards 2022-23 @ IIT Bombay - Nov, 2022 ▪ Secured 7th position in FMML program conducted by: IIIT,Hyderabad - July, 2022 ▪ (Twice) Top 10 Performer in AI Shiksha program jointly conducted by: IIT-Madras, IIT-Kharagpur, IIT-Goa, IIT-Palakkad - May, 2022 ▪ August Challenge 2021 CodeChef Global Rank - 242; Score - 510; Solved 6 ques out of 10.
Extracurricular	▪ Volunteer in IOT club and Robotics Club ▪ Participant, Shaastra (Inter-University Festival), IIT Madras, (Dec 15)

ADDITIONAL INFORMATION	
Hobbies	▪ Solving Machine Learning Tasks in free time ▪ Cooking different cuisines.
Languages	▪ English, Hindi, Sindhi