



MAYUR MANKAR

BS Data Science & Engineering

Minor in Economics

Indian Institute of Science Education and Research, Bhopal

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Github | Portfolio
Linkedin

EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
BS	Indian Institute of Science Education and Research, Bhopal	6.82	2020-Present
Senior Secondary	Maharashtra State Board of Secondary and Higher Secondary Education	75.38%	2019
Secondary	CBSE	10.0	2017

EXPERIENCE

- Indian Institute of Technology Patna (under Dr. Sriparna Saha)**
Winter Internship Dec 2022 - Jan 2023
– Explaining Stereotypes behind Cyberbullying Memes via Knowledge Enhanced Text Generation

PROJECTS

- Few-shot 3D Point Cloud Semantic Segmentation** March 2023 - April 2023
Dr. Vaibhav Kumar (IISERB) Github
– Reproduced all the results of the paper. In the process, some bugs in the code were fixed.
– We used Linked dynamic graph CNN (LDGCNN) in place of dynamic graph CNN (DGCNN) to segment point cloud.
- Balanced MSE for Imbalanced Visual Regression** Feb 2023 - April 2023
Dr. Vinod Kurmi (IISERB) Github
– Reproduced all the results of the paper. In the process, some bugs in the code were fixed.
– The whole analysis is done on new dataset (AgeDB). Also new two loss functions are introduced named sMAPE and logcosh.
- Offensive text detection in Hindi, Tamil, Malayalam, Kannada, and Telugu text.** Nov. 2022
Prof. Parthiban Srinivasan (IISERB) Github
– Here, I prepared transformer-based methods to identify the offensive texts from Hindi, Tamil, Malayalam, Kannada, and Telugu text.
– Performed experiments on the dataset with detail performance and error analysis, thus setting an important baseline to compare in the future.
- Hate Speech Detection in Marathi on Twitter** Sept. 2022–Present
Dr. Jasabanta Patro (IISERB)
– The scraped and pre-processed tweets are labeled under different sub-classes of hate and non-hate.
– Further, we will use different pre-trained cross-lingual language models as baseline models and try to make a benchmark cross-lingual language model for hate-speech detection in Marathi-English code-mixed text.

TECHNICAL SKILLS

- Programming:** Python, R, C++
- Tools/Frameworks:** Sklearn, Tensorflow, PyTorch, OpenCV, NLTK, Transformers, ggplot2, tidyr, dplyr, plotly, xml2, tidyverse, ChatGPT, BeautifulSoup, regex, snsrape, tweepy, lxml
- Web Development:** HTML & CSS
- Database:** MySQL
- Operating Systems:** Windows, Linux
- Office automation:** LaTeX, Word, Excel, Powerpoint

KEY COURSES TAKEN

- Data Science & Engineering:** Data Structure & Algorithms, Fundamentals of Database Systems, Computer Vision, Data Science in Practise, Machine Learning, Deep Learning, Artificial Intelligence
- Economics:** Econometrics-I & Econometrics-II

POSITIONS OF RESPONSIBILITY

- Working Team :** Student Development Council, IISER Bhopal Aug. 2022 - Present

ACHIEVEMENTS

- Secured All-India rank **7619** in **IIT-JEE** 2019 in OBC category.
- 2 star MySQL @HackerRank