Amar Deep
M.Tech in Computer Science and Engineering
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Degree	University	Institute	Year	CPI / %
M.Tech	NIT Surat	NIT- Surat (Gujarat)	2023-25	6.55/10.00
B.Tech	GGV Bilaspur	Institute of Technology, GGV Bilaspur(C.G)	2019-23	8.21/10.00
Intermediate	UP Board	Saraswati V M I College ,Gola Kheri (U.P)	2019	76.80%
Highschool	UP Board	Saraswati V M I College ,Gola Kheri (U.P)	2017	79.00%

KEY PROJECTS

Object Detection | Python, pytorch, opencv, VSCode, Google Colab | August 2021 - November 2021[Source Link]

- Used transfer learning to detect an object in an image using YOLOv3.
- It will use urllib and the io module of python to read images from url.

Sign Language Recognition | Python, pytorch, opencv, VSCode, Google Colab | August 2022 - November 2022

- In this Project, my aim is to create a computer application and train a model which, when shown a real-time a video of hand gestures of Indian Sign Language, shows the output for that particular sign in text format.
- Used two types of models: LSTM and Transformer. LSTM does not perform well and gives us very poor results (accuracy 27%) as compared to the Transformer Model (accuracy 94.64%).

Plant Disease Recognition System | Python, TensorFlow/Keras

- Developed a Streamlit-based web application utilizing TensorFlow for plant disease detection from leaf images.
- Integrated a user-friendly interface for real-time image upload, processing, and prediction.
- Implemented a deep learning model trained on a dataset of 87,000+ images, achieving high accuracy in classifying 38 plant disease categories.

EARTHQUAKE MAGNITUDE AND DEPTH PREDICTION BASED ON FB-BiLSTM AND FB-GRU MODEL

M.Tech. dissertation under the supervision of Dr. Alok Kumar

- Developed novel FB-BiLSTM and FB-GRU models to predict earthquake magnitude and depth using multi-source seismic data.
- Conducted robust data preprocessing, including outlier detection, normalization, and feature selection, to enhance model performance and accuracy.
- Focused on real-time applicability, ensuring the scalability and interpretability of the prediction framework for disaster management and risk reduction.

KEY COURSES TAKEN

- OPERATING SYSTEM
- SOFTWARE TESTING
- FRONTEND DEVELOPMENT - HTML/CSS (GREAT LEARNING)

TECHNICAL SKILLS

- ***Languages:*** Python,C/ C++ , HTML/CSS, JavaScript, MYSQL
- ***Developer Tools:*** VS Code
- ***Technologies/Frameworks:*** GitHub, Google Colab, Machine Learning

ACHIEVEMENTS

- GATE qualified-(2023),Score(296)
- Two times JEE Mains qualified, (2019 and 2020)
- Appeared for interview in SASHASTRA SEEMA BAL(SubInspector-Communication)

EXTRA CURRICULAR

- Organised Techfest in Central University(Guru Ghasidas Vishwavidyalaya -Bilaspur (C.G))-equilibrio-2019, Central India's largest Techfest. And Organised blood donation camp in GGU-2020

POSITION OF RESPONSIBILITY

TEACHING ASSISTANTSHIP/ September 2023 - present/

- As a Teaching Assistant for Computer Programming , I have taken labs, led discussion, and assisted students with their programming learning.