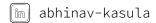# Abhinav Kasula

Seeking a challenging role in the field of Computer Science Engineering where I can use my technical knowledge, analytical abilities, and experience working across disciplines to create new approaches to hard issues.

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PROJECTS

EMPLOYEE ON-BOARDING SYSTEM FOR BML MUNJAL UNIVERSITY | HTML, CSS, JavaScript, MongoDB

2023
- → Developed and implemented an automated Employee On-boarding System for a prominent university, streamlining and enhancing the on-boarding process for new hires.
- → Designed a user-friendly web-based interface using HTML, CSS, and JavaScript, ensuring an intuitive and visually appealing experience for users.

GOLD PRICE PREDICTION | Python

2022
- → A Machine learning model that inputs various parameters describing the past trends of gold prices and predicts the possible highest/lowest gold prices for a day using ANN and LSTM.
- → Use of scikit-learn library to facilitate learning process.
- → Flutter was used to create the application framework.
- → Application development under development.
- → Used Big Data tools and dealt with the analytics of Big Data.

PYTHON CHATBOT | Python

2018
- → A trainable chatbot which can talk to its users and search for information on internet with the help of Google APIs
- → Socket programming and networking were used.

IMAGE AND VIDEO DEFOGGING SYSTEM | Python

2023
- → The aim of this project was to design a model using ML techniques which de-hazes a foggy image or video using algorithms of DCP and FVR.
- → Designed and implemented a deep learning architecture using Python and popular libraries such as TensorFlow and Keras to train the de-hazing model.
- → Evaluated the model's performance using quantitative metrics such as Peak Signal-to-Noise Ratio (PSNR) and Structural Similarity Index (SSIM).
- → Optimized model parameters and hyperparameters through experimentation and fine-tuning to achieve optimal de-hazing results.

SKILLS

PROGRAMMING

Proficient:
C • C++ • JavaScript • Python
SQL • CSS • HTML •
Java • R

LIBRARIES/FRAMEWORKS

React • Node.js • scikit-learn

TOOLS/PLATFORMS

Git • Docker • MongoDB •
Anaconda • VSCode

EDUCATION

BML MUNJAL UNIVERSITY

Batchelor of Technology in Computer Science

Oct 2020 - Present | Kapriwas, Haryana
School of Engineering and Technology
Cum. GPA: 6.3 / 10

ACHIEVMENTS

- → I am one of the Ambassadors of my University.
- → Actively participated in numerous events and took lead of the events.
- → Worked for D.S.Phalke award winning short film.

INTEREST/HOBBIES

- → Theatre
- → Badminton
- → Research on Solar Cell Energy