Aafikhan Malek

Aspiring Machine Learning Engineer

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Passionate AI & ML student with a solid foundation in machine learning, focused on **leveraging data** to develop intelligent solutions. Currently pursuing a Bachelor's degree in AI & ML, I have orchestrated projects that utilize **advanced algorithms**, optimized processes, and **analyzed data** to deliver impactful results. I am committed to leading innovative initiatives and continuously developing my technical expertise.

EDUCATION

Bachelors in Artificial Intelligence & Machine Learning   **Sep 2023 - Present**
LD College of Engineering
Relevant Coursework: Algorithms & DS, Python, Artificial Intelligence, Image Processing, Cyber Security.

Diploma in Computer Engineering   **Aug 2019 - May 2022**
Government Polytechnic, Jamnagar   *CGPA : 8.77 /10*
Relevant Coursework: Operating Systems, OOPs Concepts , DBs , Computer Networks.

KEY PROJECTS

Bangalore House Price Predictor *(Github Link)*
Project Link: **bangalore-house-price.streamlit.app**
- Developed a *Linear Regression* model to predict house prices in Bangalore using *Python* and *Streamlit*.
- Implemented data preprocessing, **feature engineering**, and **model evaluation** to **improve accuracy.**
- Tools Used: *Python*, *Streamlit*, *scikit-learn*, *Pandas, Matplotlib, Pickle*.

2. Celebrity Image Classifier *(Github Link)*
Project Link: **celeb-img-clf.streamlit.app**
- Created a *deep learning* model to classify celebrity images using CNNs (Convolutional Neural Networks) *RestNet50*.
- Trained the model on a dataset of celebrity images and **deployed** it using Streamlit for user interaction.
- Tools Used: *Python, Torchvision*, *Pillow*, *Streamlit*, *Pytorch***.**

3. Penguins Classifier *(Github Link)*
Project Link: **penguins-classifier.streamlit.app**
- Built a *RandomForestClassifier* to distinguish penguin species based on physical measurements.
- Experimented with **multiple classification algorithms** such as Random Forest and *Logistic Regression*.
- Tools Used: *Python, scikit-learn*, *Matplotlib*, *Streamlit*, *Pickle*.

SKILLS

Programming & Scripting Languages: Python, SQL, Java, JavaScript, Html/Css
Data Engineering & Visualization: Numpy, Pandas, Matplotlib, Seaborn, Jupyter Notebooks, Scikit-Learn, Pytorch, OpenCV, Streamlit
Web & API Technologies: Postman API, REST APIs

CERTIFICATIONS & ACHIEVEMENTS

- **Supervised Machine Learning: Regression and Classification** – **Coursera**
- Achieved rank of 325 on Spaceship Titanic Competition on kaggle
- **Advanced Learning Algorithms** – **Coursera**
- College Topper in Diploma Course