

SAAD CHOHAN

MACHINE LEARNING ENGINEER

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SUMMARY

Machine Learning Engineer dedicated to creating impactful, data-driven models with expertise across Python, NLP, deep learning, and computer vision. Skilled in deploying end-to-end solutions, optimizing model performance, and collaborating effectively across teams. Passionate about advancing AI solutions that solve real-world problems and contribute to innovative, scalable results.

TECHNICAL SKILLS

- Python
- Machine Learning
- Deep Learning
- NLP
- Computer Vision

PROJECTS

Movie Recommendation System

- Built a movie recommendation system leveraging cosine similarity, achieving an increase in recommendation accuracy.
- Designed an intuitive Streamlit interface for easy user interaction.
- Integrated collaborative and content-based filtering techniques, optimizing relevance and user satisfaction.

Face Mask Detection

- Developed a CNN model for real-time mask detection, achieving an improvement in monitoring accuracy.
- Achieved high accuracy, enhancing safety monitoring in public areas.
- Integrated data augmentation techniques for improved robustness in varied lighting and environments.

Email Spam Classifier

- Created a machine learning model to classify emails, achieving an improvement in spam detection accuracy.
- Enhanced email filtering efficiency with a focus on minimizing false positives.
- Utilized natural language processing techniques to analyze email content for accurate classification.

Plant Disease Classification

- Built an image-based deep learning model to detect plant diseases across multiple species.
- Enabled early disease detection, supporting proactive crop management.
- Employed data preprocessing and augmentation for accurate predictions across diverse conditions.

EDUCATION

BS ARTIFICIAL INTELLIGENCE

SINDH MADRESSATUL ISLAM UNIVERSITY