

NADEEM KALEEM

Machine Learning | Data Science

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Summary

Recent Computer Science graduate with a strong foundation in problem-solving, Machine Learning, and Deep Learning. Passionate about data science and leveraging ML and DL to tackle complex problems creatively. Quick learner with attention to detail and commitment to deadlines.

Skills

Machine Learning and Deep Learning Algorithms: Regression, Classification, Clustering, Dimensionality Reduction, Anomaly Detection, Deep Learning, Image Classification, CNN, RNN, ANN

Programming Languages: C/C++, Python, SQL, JavaScript, HTML, CSS

Python Libraries: Numpy, Pandas, Scikit-learn, Tensorflow/Keras, Matplotlib, PyTorch

Data Science and Miscellaneous Technologies: Jupyter, ETL, Data Pipeline (cleaning, visualization, modeling, interpretation), Statistics, LA, Probability, OOP, DSA, PowerBI, Problem-solving

Soft Skills: Collaborative Team Player, Adaptable & Eager Learner, Strong Work Ethic, Detail-Oriented

Experience

Teaching Assistant

- Delivered engaging and comprehensive lectures on key concepts in Data Structures and Algorithms.
- Assisted students in developing and implementing projects.
- Provided group tutoring sessions, helping students improve their problem-solving skills and understanding of complex topics.

Projects

Potato Disease Detection

Developed a deep learning model integrated with a web to detect potato diseases from leaf images.

- Trained a convolutional neural network (CNN) using the Plant Village dataset, sourced from Kaggle.
- Preprocessed and augmented image data to improve model accuracy.
- Built a simple website that allows users to upload images and receive real-time disease detection results.

Sports Person Classification

Developed a machine learning model to classify sports personalities from images using facial detection techniques.

- Scraped and curated a dataset of sports personalities' images from various online sources and designed model using OpenCV.
- Made a simple web interface that allows users to upload images and receive real-time classification results.

Next Word Predictor

Developed a deep learning model to predict the next word in a sentence using sequential text data.

- Utilized TensorFlow and Keras for the implementation of the model.
- Preprocessed input text data and designed a sequential model using Embedding and LSTM layers to learn patterns in the text.
- Trained the model and Implemented a real-time text generation, to generate sentences based on a given input phrase.

Education

Information Technology University
Bachelor of Science in Computer Science

Lahore
08/2020 - 08/2024

Passions

★ **Open-Source Contributions**
Passionate about contributing to open-source projects that make a difference in the community.

🔧 **Innovative Problem-Solving**
Enjoys tackling complex data problems and finding creative, impactful solutions.

★ **Continual Learning**
Dedicated to lifelong learning, especially within data science, ML, DL and analytics fields.