

Hiba Khurshid

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PROFILE

I am a passionate and dedicated Data Scientist with hands-on experience in delivering real-world projects involving machine learning, deep learning, and data analysis. I excel at transforming complex data into actionable insights that support informed decision-making. Eager to continuously learn, collaborate with diverse teams, and apply my skills to drive business value, I am enthusiastic about tackling new challenges and advancing in my data science career.

SKILLS

- Machine Learning
- Deep Learning
- Data Analytics
- SQL
- Python Programming (Keras, TensorFlow, PyTorch)

PROJECTS

ASL Recognition Using Deep Learning

Developed an American Sign Language alphabet recognition system using CNN, Transfer Learning, and Vision Transformers. Achieved up to 98.6% accuracy and built a real-time webcam-based ASL recognizer.

Exploring the Netflix Dataset

Analyzed Netflix's catalog of movies and TV shows using Python and visualization tools. Uncovered trends by country, genre, rating, and release year, offering insights into viewer preferences and Netflix's content strategy.

Neural Network Optimizer Comparison

Compared optimization techniques (SGD, Adam, RMSprop, AdaGrad) for training CNNs on the CIFAR-10 dataset. Evaluated performance and memory usage, providing insights into the most effective optimizers for image classification.

WORK EXPERIENCE

IGCSE/A-Levels Computer Science Teacher

Roots International Richmond Campus

Sep 2017 to Dec 2023

- Taught IGCSE and A-level computer science, focusing on programming, algorithms, and databases.
- Helped students achieve top exam results through tailored lessons and extra support.
- Awarded a Gold Medal for having the highest number of high-achieving students in the school.

EDUCATION & QUALIFICATIONS

MSc(Data Science) - University of Hertfordshire

2024-Present

(Expected to graduate with Distinction)

BS(Computer Science) - FAST-NUCES

2014-2017