



Hasham Akram

Data Scientist

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- 🔗 [PhyML Invos](#)

Profiles

- [in Hasham Akram](#)
- [HashamAkram18](#)

Skills

Programming Languages

Python, C++, HTML, CSS

AI/ML Techniques

NLP, Computer Vision, Transformers, PINNs

Frameworks & Tools

TensorFlow, LangChain, Llama Index, Streamlit, Flask, Pytorch

Soft Skills

Analytical thinking, Problem-solving, Teamwork, Effective Communication

Certifications

Machine Learning & Deep Learning Specialization

DeepLearning.AI - Andrew Ng
2024

Data Driven Astronomy
The University of Sydney
2023

Awards

Hackathon Participation
Xeven Solutions
2023

Volunteering

Hope To Skill - Xeven.ai
Teaching Team Assistant

Languages

English Urdu German

Interests

Philosophy Travel Cricket

Experienced Data Scientist with a strong background in Machine Learning, NLP, Computer Vision and Generative AI. Aptitude towards energetic and innovative collaborations includes internships and apprenticeships in data science, where I leverage Deep Learning, Cloud Deployment, Vector db. & LLM frameworks expertise in internships, and tackled real-world problems. Driven by a passion for AI and its potential, I aim to utilize my skills for impactful solutions while continuously learning.

Projects

Kidney Multi-Disease Classification

- Built a web app for multi-disease kidney classification from MRI images using VGG-16, achieving 80% accuracy. Integrated DVC and MLflow for experiment tracking on DagsHub.

Next Word Prediction Using Bidirectional LSTMs

- Achieving 86% accuracy, Enhanced text prediction user experience through advanced NLP techniques..

Chicken Disease Classification

- Developed a web app using VGG-16 in TensorFlow/Keras for chicken disease detection, achieving 96% accuracy. Deployed on AWS and Azure with Docker and CI/CD.

Experience

iNeuron.ai

Data Science Intern

Jan 2024 - Feb 2024

Bengaluru, India · Remote

- 40% improvement in energy efficiency through predictive modeling, enabling data-driven decision-making for enhanced energy management, construction, and structure planning

CodSoft

Machine Learning Engineer

Mar 2024 - Apr 2024

Kolkata, West Bengal, India · Remote

- Developed a model with 85% accuracy, reducing churn by 20% and saving \$500,000 annually.
- Achieved 95% precision and 92% recall, enhancing email efficiency.
- Attained 98% accuracy, leading to a 30% decrease in fraudulent transactions, saving \$1 million yearly.

CodXo

Artificial Intelligence Engineer

Jul 2024

Noida, Uttar Pradesh, India · Remote

- Fake News Detection:** Built a detection system using MNB, PAC, RF, LR, and XGBoost, achieving >87% accuracy
- Auto-Correct Tool:** Developed a grammar and spell correction tool using a pre-trained Transformer model and spell checker, reducing 70% grammatical mistakes.
- Translation Using Seq2Seq Attention PyTorch Model:** Trained on a diverse dataset comprising 25,000 English-to-Urdu sentence pairs, improving accuracy above 70% on Cross val.
- Wheat Crop Detection:** Implementing a Fast-RCNN model for agricultural monitoring to efficiently assess wheat crop health and density.

Education

Govt. College University, Faisalabad

Bachelor's in Physics

Sep 2019 - Aug 2023

3.35 CGPA