

# Taqi Haider

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in Taqi-Haider

🌐 <http://taqihneider7.github.io>

## Education

Sept/2024 – Continue

- **MS Artificial Intelligence & Big Data Analytics** Novosibirsk State University, Russia  
Thesis Title: *Medical Dataset Name Extraction from Scientific Articles*  
**GPA:** 4.9/5.0

Dec/2016 – Dec/2020

- **B.E Electrical Engineering** Quaid-e-Awam University of Engineering, Science, and Technology, Pakistan  
Thesis Title: *A Comparative Study on PWM Techniques of an AC Voltage Controller in Terms of Harmonic Content*  
**CGPA:** 3.65/4.0

## Research Interest

- Machine Learning
- Natural Language Processing (Large Language Models)
- Deep Learning
- AI for Medical

## Research Publications

- 2026 ■ Dania B., **Taqi Haider**, Malik A., Aisha K., Jackie L., "From Fields to Algorithms: A Comprehensive Review of AI and Deep Learning Techniques for Plant Disease Detection"  
Submitted to *Computer Science Reviews*, 2026
- Waqar Younas, **Taqi Haider**. "Detecting False Data Injection Attacks on Smart Grids Using Machine Learning"  
Submitted to *IEEE Access*, 2026
- Abdul Raheem, **Taqi Haider**. "Machine Learning based Leukemia Cancer Prediction System using Protein Sequential Data"  
Submitted to *Artificial Intelligence for Life Sciences*, 2026
- 2023 ■ Ishrat Fatima, **Taqi Haider**. "Public Procurement Recommendation System for Italian Contracts"  
*Work in Progress*
- Sergio Cannata, **Taqi Haider**, "Rice Leaf Disease Detection using Vision Transformers"  
*Work in Progress*

## Projects

- 2025 ■ **Flight Delay Predictor: Flight Delay Prediction for S7 Airlines** Hackathon Project (Finalist)  
Developed a [flight delay forecast system](#) for S7 Airlines and its customers to forecast the flight delay based on comprehensive meteorological, flight, and airport data taken from [Kaggle](#).
- 2023 ■ **Ask Quran: LLM-Powered App for asking questions in Quran** Hackathon Project (1st Place)  
Developed a Multilingual [ChatGPT-like Chatbot](#) for Question Answering from the Holy Quran using Cohere's Multilingual Embedding LLM and OpenAI's Text-Davinci Model.

## Projects (continued)

- 2022
- **Chatty Panda: AI brand Intelligence ChatBot** Hackathon Project Developed Chatty Panda Chabot to assist users with all business policies and customer service-related queries, with a frontend like [ChatGPT](#) using OpenAI's 3.5 Turbo LLM and Streamlit for deployment on the cloud.
  - **Real-time Tweets Sentiment Analysis Web-application** Hackathon Project (1st Place) Developed a web application using Machine Learning models for real-time tweet sentiment Analysis and provided insights into the tone of tweets ( positive, negative, and neutral sentiment) on the [web app](#).
  - **2022 Kaggle Machine Learning & Data Science Survey** Data Science Competition Project Analyzed the Kaggle Machine Learning & Data Science [survey data](#) about gender equality in tech in the context of UN's Sustainable Development Goal 5 and got insights for policy formation.

## Employment History

- 10/2022 – Present ■ **Data Science Instructor** Skills Camp.
  - Creates content in the form of videos for the Skills Camp [YouTube](#) channel.
  - Teaching students about web scraping and machine Learning on the Online meeting platform.
  - Delivered lectures as a Keynote speaker at various workshops organized all over Pakistani universities.
- 5/2019 – 6/2019 ■ **Trainee Engineer** IESCO Islamabad.
  - Learned equipment operations by following the manufacturer's instructions and established procedures.
  - Designed single line diagram of 132kV Rawal grid station and its implementation.
  - Protection and maintenance of electrical equipment and transmission lines.

## Skills

- |                                 |  |
|---------------------------------|--|
| Languages                       | ■ Strong reading, writing, and speaking competencies in English, Urdu, Sindhi, and Punjabi.                            |
| Coding                          | ■ Python, R, TensorFlow, PyTorch, SQL, L <sup>A</sup> T <sub>E</sub> X, Linux,   |
| Databases                       | ■ MySQL, Vector Databases like Pinecone, Chroma, Qdrant, etc.  |
| Cloud Computing                 | ■ AWS, GCP, Azure.   |
| Data Analysis/ Machine Learning | ■ Academic Research, Data Analysis, Machine Learning, Deep Learning, Natural Language Processing, and Computer Vision. |

## Professional & Academic Experience

### Academic & Volunteer Activities

- 2023
- **Data Science and Machine Learning Instructor, Content Creator** at [Skills Camp](#) YouTube Channel.
  - **Speaker at Data & Delight: Pie & AI Interactive Analytics workshop** organized by [DeepLearning.AI](#)
- 2022
- **Data Science for Agriculture Keynote Speaker** at [University of Agriculture](#), Faisalabad.
- 2020
- **Director Simulation Projects**, PLUGIN-Project Expo, QUEST Nawabshah.

### Awards & Achievements

- 2023
- **Got 1st Position in Cohere Hackathon** organized by [lablab.ai](#)
  - **1000 Contribution Points to Aya Open Science Multilingual Large Language Model Project** by [Cohere for AI](#)
  - **Participated and Submitted solutions in OpenAI Hackathon** organized by [lablab.ai](#)

## Professional & Academic Experience (continued)

- 2022  **Won a Prize in Datadanics-1 Datathon** organized by [Codanics](#).
- 2022  **Got Silver Medal in a Data Science competition** organized by Kaggle
- 2019  **Got a Laptop under Prime Minister's Laptop Scheme**

## MOOCs & Certifications

- 2023  **Machine Learning Specialization** by [Deeplearning.AI](#), Stanford University
- 2022  **Data Science with Python** by [Codanics](#)
- 2022  **Data Analysis with Python** by [IBM](#)

## References

### Dr. Maryam Asim

Lecturer

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Email: [masim@qau.edu.pk](mailto:masim@qau.edu.pk)

### Dr. Evgeniy Pavlovskiy

Associate Professor

Faculty of Mechanics & Mathematics, Novosibirsk State University, Russia

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