

DIDAR ALI

AI/Machine Learning Engineer

📍 Peshawar, Pakistan | ✉ didarali1129@gmail.com | ☎ +92 342 0032958 | [LinkedIn](#) | [GitHub](#)

Professional Summary

Final-year Computer Systems Engineering student with hands-on experience in machine learning, deep learning, and data analysis. Developed a high-accuracy Speech Emotion Recognition system using Wav2Vec2 and applied practical skills across multiple real-world projects. Proficient in Python, C++, SQL, and visualization tools like Tableau. Passionate about building intelligent, data-driven solutions and eager to contribute to innovative AI-driven teams.

Education

- ❖ **B.S. Computer Systems Engineering** | University of Engineering & Technology (UET), Peshawar | 2021 – Present

Developed strong foundations in machine learning, data structures, and system programming through academic and project-based work.

- ❖ **Higher Secondary School Certificate** | Govt. Degree College, Chitral | 2019 – 2021

Focused on mathematics, physics, and computer science, building analytical and problem-solving skills.

- ❖ **Secondary School Certificate** | Al Karim Public School, Susum, Chitral | 2019

Completed foundational studies in science and mathematics with strong academic performance.

Projects

- ❖ **Speech Emotion Recognition – Final Year Project** [GitHub](#)

Built a Wav2Vec2-based model achieving 83.2% accuracy on noisy speech. Applied feature extraction and attention mechanisms. [GitHub](https://github.com/didar-ali-deed/Vocal-Sentiments-Transformer-Based-SER)

- ❖ **Virtual File System – OS Project (C/Linux)** [GitHub](#)

Developed a simplified file system in C supporting core operations and permission handling on Ubuntu. [GitHub](https://github.com/didar-ali-deed/Virtual-File-System--OS-Project--C-language--Linux--Ubuntu)

- ❖ **Hotel Management System – OOP in C++** [GitHub](#)

Created a console-based system for booking, billing, and customer data using OOP principles. [GitHub](https://github.com/didar-ali-deed/Hotel-Management-System-OOP-Cpp)

Certifications

- ❖ **Google Data Analytics Professional Certificate** – [Coursera](#)

Completed an 8-course program covering data cleaning, R programming, SQL querying, data visualization with Tableau, and real-world case studies.

❖ **Google Cybersecurity Professional Certificate** – [Coursera](#)

Gained hands-on experience in cybersecurity fundamentals including Python scripting, Linux command line, threat detection, SIEM tools, and incident response.

❖ **AI for Everyone – DeepLearning.AI** – [Coursera](#)

Explored non-technical foundations of AI, its applications across industries, and the ethical and societal implications of AI deployment.

Skills

- ❖ Programming Languages: Python, C/C++, R, SQL, MATLAB
- ❖ Machine Learning & AI: Supervised Unsupervised Learning, Neural Networks, Wav2Vec2, Model Evaluation
- ❖ Deep Learning: Audio Feature Extraction, Attention Mechanisms, Speech Emotion Recognition
- ❖ Data Analysis: Data Cleaning, EDA, Statistical Analysis, Tableau
- ❖ Libraries & Frameworks: NumPy, Pandas, Scikit-learn, Matplotlib, Seaborn
- ❖ Tools & Platforms: Git, GitHub, Bash, Jupyter Notebook, Google Colab, Linux OS
- ❖ Systems & Concepts: Operating Systems, Process Handling, OOP, Data Structures & Algorithms
- ❖ Soft Skills: Problem-Solving, Analytical Thinking, Technical Communication, Team Collaboration