

FARDEEN FARHAT

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EDUCATION

FAST NUCES

Bachelor of Artificial Intelligence (CGPA: 3.69/4.00)

Islamabad, Pakistan

Aug. 2022 – Present

EXPERIENCE

AI Engineer Intern

DevNeuron (Remote)

Sunnyvale, CA, USA

June 2025 – Present

- Contributing to a security-focused evaluation framework for analyzing LLM agent behavior across diverse configurations.
- Working on identifying vulnerabilities and automating static and dynamic analysis to improve agent safety in real-world environments.

Lab Demonstrator - Database Systems

FAST NUCES

Islamabad, Pakistan

Jan. 2025 – June 2025

- Conducted lab sessions on relational databases, SQL, normalization, and indexing techniques.
- Provided assistance in debugging SQL queries and mentoring students on database concepts.

Lab Demonstrator - Artificial Intelligence

FAST NUCES

Islamabad, Pakistan

Jan. 2025 – June 2025

- Facilitated sessions on search algorithms, supervised learning, and intelligent agent design.
- Assisted students with implementation of ML models and guided discussions on AI ethics and applications.

PROJECTS

CNN Ensemble for Pneumonia Detection | Python, TensorFlow, PyTorch, Scikit-learn

- Reproduced a published CNN ensemble using 3×3 , 5×5 , and 7×7 kernels for pneumonia detection.
- Integrated attention layers, improving model recall by 19% on chest X-ray datasets.
- Implemented dynamic thresholding, achieving an F1-score of 0.94.

TrendWhisper: AI Story Generator from Google Trends | Python, gRPC, Qwen2.5, XTTS, Gradio, Docker

- Built a full-stack app that generates themed stories from live Google Trends using Qwen2.5-7B.
- Designed gRPC-based microservices with Gradio UI, genre selection, and optional audio narration.
- Implemented XTTS voice synthesis to produce natural audio output; supported Gemini Pro as fallback.

Flight Delay Prediction | Python, Pandas, NumPy, Scikit-learn

- Developed a predictive model to forecast flight delays, integrating weather and flight data.
- Engineered 10+ features and used classification models to achieve 91% binary and 90% multi-class accuracy.
- Optimized with hyperparameter tuning and k-fold validation, improving accuracy by 7%.

Portfolio Website | React, TailwindCSS, JavaScript

fardeenfarhat.github.io/portfolio/

- Designed and built a responsive personal portfolio to showcase skills, projects, and CV.
- Used React for component rendering and TailwindCSS for styling.

TECHNICAL SKILLS

Languages: Python, C++, SQL, Bash, JavaScript

Libraries/Frameworks: React, TailwindCSS, Scikit-learn, NumPy, Pandas, Matplotlib

Tools: Git, GitHub, MongoDB, MySQL, VS Code, Anaconda, Linux

AWARDS

Gold Medalist: FAST NUCES Islamabad

Spring 2024

Silver Medalist: FAST NUCES Islamabad

Fall 2024

Rector's List: FAST NUCES Islamabad

Spring 2024

Dean's List: FAST NUCES Islamabad

Fall 2024, Fall 2023, Spring 2023