Fardeen Farhat

About me

I'm a second-year university student studying Artificial Intelligence. I'm eager to apply my skills in AI, machine learning, and data analysis in practical settings, contributing to various projects and learning opportunities.

Contacts

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Skills

Languages: Python, C++,C Sharp,SQL

Libraries/Frameworks: scikit-learn, NumPy, Pandas, MySQL

Education

FAST National University of Computer and Emerging Sciences

B.S. Artificial Intelligence | CGPA: 3.53 | Expected June 2026

Relevant Coursework: Artificial Intelligence, Database Systems, Data Structures. Probability and Statistics, Object-Oriented Programming

Projects

Speaker Age Prediction using Regression Model

- Extracted audio features from a dataset consisting of 15,000 files.
- Developed a regression model from scratch for predicting speaker age.
- Evaluated the model's performance on multiple normalized forms of the data.
- Compared the prediction error of the custom model with scikit-learn's own regression model.

Exams Schedule Generator Using Genetic Algorithm

- Utilized a dataset containing information about teachers, students, and courses.
- Developed a genetic algorithm from scratch to generate an optimal exam schedule.
- Implemented a user-friendly graphical interface for the schedule generator using Tkinter.

Farewell Party Management System

- A comprehensive platform tailored for junior students to organize memorable farewell events for senior counterparts.
- Simplifies event planning and facilitates teacher participation.
- Features attendee management, task assignments, budget tracking, and detailed planning of dinner, stage performances, updates, and much more.
- Developed using Node.js, Express.js, Embedded JS, HTML, and CSS.
- Utilized MySQL for database creation and SQL queries for data extraction.

Uni Portal

- Developed a teacher-student portal using C++.
- Empowered teachers to create quizzes tailored to their courses, featuring various question formats such as multiple-choice, true/false, and subjective.
- Enabled students to participate in quizzes within specified timeframes.
- Automated result uploading to the portal for easy access and evaluation.

Bubble Burst

- Developed an entertaining puzzle game where players strategically clear the board by popping bubbles of matching colors.
- Offers vibrant graphics, immersive gameplay, and different levels to appeal to a wide range of players.
- Created with SFML and implemented in C++.

Awards

Deans List Fast Islamabad	Fall 2023
Deans List Fast Islamabad	Spring 2023