

MUHAMMAD MAAZ

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Education

Air University

Sep. 2022 – June 2026

Student (7th Semester) – BS Data Sciences | CGPA: 2.88

Relevant Coursework

- Data Annotation
- Data Analysis
- Data Visualization
- Machine Learning
- Operating Systems
- Big Data

Projects

CPU Scheduling Simulator | Operating Systems Project

Air University

- Simulated short-term CPU scheduling using FCFS, SJF, Priority, and Round Robin algorithms.
- Handled process attributes, calculated metrics like turnaround/waiting time, and designed interactive menu interface.
- Demonstrated OS scheduling behavior and CPU efficiency trade-offs.

Research: Student Autonomy in Degree Choice | IEEE Open Journal

June 2025

- Collected responses from 807 students through 16-question psychological surveys.
- Used ML models (CatBoost, SVM, LightGBM) for satisfaction classification; CatBoost achieved 82.6% accuracy.
- Applied SHAP for explainability and suggested improved career counseling mechanisms.

LabMetrics Health Data Analysis | Python, Excel, Data Science

October 2023

- Analyzed real patient data to detect seasonal variations; found low Vitamin D levels in winter.
- Applied data cleaning, Pre-processing and visualization techniques.

NEO Hazard Detection (NASA Dataset) | Python, PSO, ML

September 2024

- Predicted hazardous Near-Earth Objects using ML models optimized with Particle Swarm Optimization (96% accuracy).
- Extracted Orbit Uncertainty and Absolute Magnitude as top features.

Sales Dashboard (AdventureWorks) | Power BI

September 2024

- Designed interactive sales dashboard with regional and product-based insights.
- Modeled data using star schema with fact/dimension separation.

Experience

Freelance Data Annotator

Feb 2025 - Present

Fiver

Remote

- Annotated human body poses using CVAT for computer vision-based human activity recognition models.
- Labeled architectural elements using Roboflow with polygon tool and custom segmentation classes.
- Communicated with international clients to ensure project-specific labeling guidelines.

Facebook Marketing Specialist

Jan 2023 – Nov 2023

Facebook

Remote

- Managed product listings and handled customer queries, boosting store visibility.
- Closed successful sales to Canadian customers and maintained positive feedback.

Technical Skills

Languages: Python, C

Technologies: Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn, Power BI, Google Colab

Annotation Tools: CVAT, Roboflow

Hobbies

- Freelance digital work, Esports, and online gaming.