MOHAMAD ALI SAYED AHMAD

+961 71 406 787 • mohamadsayedahmad558@gmail.com • LinkedIn • GitHub

PROFESSIONAL SUMMARY

B.S. Computer Science graduate from Lebanese International University (LIU), 2026, focused on Data Science and AI. Experienced in building Python-based AI applications, supervised learning pipelines with scikit-learn, and statistical analyses using SciPy and statsmodels. Proficient in Python, SQL, and core ML workflows including preprocessing, hypothesis testing, and model evaluation. Seeking a Master's in Germany and internship opportunities in Data Science, Machine Learning, or AI.

EDUCATION

Lebanese International University (LIU) 2026

B.S. in Computer Science — Focus in Data Science and AI

PROJECTS

AI Face Recognition Attendance System *Capstone*

Tools: Python, SQLite, OpenCV

- Developed desktop attendance system with role-based access for Admin, Teacher, and Student users and course-based records.
- Integrated face recognition to verify identity and automate sign-in and sign-out workflows.
- Designed SQLite schema for users, courses, enrollments, and attendance and built reporting views.
- Enabled CSV/Excel export and filtering by course and teacher to support reporting and auditing.

Statistical Analysis Report — Student Scores Dataset *Independent Project*

Tools: Python, pandas, SciPy, statsmodels

- Conducted full hypothesis-testing study on a student scores dataset to identify factors influencing academic performance.
- Applied normality testing (Shapiro-Wilk), equality of variance (Levene's test), independent t-tests, one-way ANOVA, and Tukey's HSD post-hoc analysis.
- Implemented reproducible analysis in Python using pandas, SciPy, and statsmodels, with descriptive statistics and visualizations.
- Authored a structured technical report documenting assumptions, test statistics, p-values, and effect interpretations.

Ames Housing Price Prediction Pipeline *Coursework*

Tools: scikit-learn, pandas, NumPy

- Built supervised learning pipeline on the Ames Housing dataset (~1,460 records, 80+ features) to predict sale price and price category.
- Preprocessed mixed numeric and categorical data using imputation, standardization, and one-hot encoding with ColumnTransformer and Pipeline.
- Compared Linear Regression, Random Forest, KNN, and Logistic Regression models using RMSE, MAE, R^2, accuracy, precision, recall, and F1-score.
- Implemented interactive CLI that accepts house characteristics and returns predicted price, category, and class probabilities.

HONORS & CERTIFICATIONS

- Data Science Bootcamp 2026 — Udemy / 365 Careers (32 hours, April 2026).
- Honor List Certificate — First Semester (2022/2023), Lebanese International University (Sep 2022 – Feb 2023).
- Programming Competition Participant Certificate, Lebanese International University (LIU).
- Network Security Certificate, Cisco Network Academy.
- CCNAv7: Switching, Routing, and Wireless Essentials, Cisco Network Academy.
- Web Security Webinar Participant Certificate, youBee.ai.

SKILLS

Technical: Python, SQL, SQLite, OpenCV, scikit-learn, pandas, NumPy, SciPy, statsmodels, Java, JavaScript, C#, PHP

Data/ML: preprocessing, feature engineering, model evaluation, hypothesis testing, ANOVA, face recognition

Tools: Git/GitHub, Jupyter Notebook, VS Code, PyCharm **Languages:** Arabic (Native), English (Professional), German (A2, in progress)