

Adnan Minawi

Beirut, Lebanon | +961 3 816 556 | adnanminawi7@gmail.com

CAREER SUMMARY

Final-year Computer Science student at Lebanese International University with demonstrated experience in full-stack development and machine learning. Built and deployed an AI-powered recommendation system achieving 95% model accuracy, integrating a chatbot, REST APIs, and real-time ML predictions over a dataset of 50,000 records. Seeking a software engineering or AI/ML role where I can contribute to scalable, production-ready systems.

EDUCATION

Bachelor of Science in Computer Science — Lebanese International University

Expected Graduation: June 2026

TECHNICAL SKILLS

- **Languages:** Python, Java, C++, C
- **Web Development:** React, Node.js, Laravel, PHP, HTML, CSS, JavaScript
- **Databases:** MySQL, SQLite
- **Machine Learning:** Scikit-learn, Data Preprocessing, Feature Engineering, Model Evaluation
- **Tools & Platforms:** Git, GitHub, VS Code, REST APIs, Flask

PROJECTS

Fake Reviews Detection — NLP | Machine Learning + NLP

- Fine-tuned a DistilBERT transformer model for binary classification of fake vs. real reviews, achieving 97% accuracy on a balanced dataset of 48,000 records.
- Built a complete NLP pipeline: text preprocessing with NLTK, feature engineering, tokenization, dataset balancing, and 80/10/10 stratified train/validation/test split.
- Applied Hugging Face Transformers Trainer API with custom training arguments, F1-optimized model selection, and evaluation across 3 epochs.
- Visualized model performance through confusion matrix heatmaps, loss curves, and class distribution charts using Matplotlib and Seaborn.

AI Major Assistant | Full-Stack + Machine Learning

- Built an end-to-end AI system that recommends the top 3 university majors with confidence scores (e.g. CS: 87%, Engineering: 72%) based on student grades, academic section, and interests — achieving 95% model accuracy on a dataset of 50,000 records.
- Designed full-stack architecture using React, Node.js, MySQL, and Python (Flask) with 4 integrated REST APIs connecting the frontend, backend, ML model, and chatbot.
- Implemented data preprocessing, feature engineering, and model evaluation pipeline using Scikit-learn; selected best model through cross-validation and performance metrics.
- Designed a normalized relational database (10 tables) storing full student profiles — grades per subject, interests, baccalaureate section, chatbot session history, and ranked recommendations with scores.
- Integrated a chatbot interface to collect user input and deliver personalized real-time recommendations.

Car Rental Web Application | Full-Stack Development

- Developed a full-stack car rental platform with user authentication, vehicle browsing, and a complete booking system.
- Built RESTful backend APIs using Node.js/Express for managing reservations and user data, backed by a MySQL database.
- Implemented secure data handling for user transactions and a responsive frontend for an intuitive booking experience.

Delivery Time Prediction Model | Machine Learning

- Trained a machine learning model to predict delivery time from multiple input features on a dataset of 25,000 records, achieving 91% accuracy.

- Performed end-to-end ML pipeline: data preprocessing, feature engineering, multi-model evaluation, and hyperparameter tuning using Scikit-learn.

SOFT SKILLS

- Strong analytical and problem-solving skills with a structured approach to breaking down complex technical challenges.
- Collaborative team player with experience working across frontend, backend, and ML components in full-stack projects.
- Effective time management with ability to handle multiple workstreams simultaneously under academic deadlines.