

Adnan Minawi

JUNIOR DEVELOPER

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CAREER SUMMARY

Final-year Computer Science student at the Lebanese International University with hands-on experience in full-stack development and machine learning. Built and deployed end-to-end AI systems integrating transformer models, REST APIs, and real-time ML predictions into production-style web applications. Seeking a software engineering or AI/ML role contributing to scalable, production-ready systems.

EDUCATION

B.S. in Computer Science — Lebanese International University

Expected July 2026

TECHNICAL SKILLS

Languages: Python, Java, C++, C, JavaScript, TypeScript, PHP

Web Development: React, Next.js, Node.js, Express, Flask, FastAPI, Laravel, REST APIs, Socket.IO, HTML, CSS

Databases: MySQL, SQLite

Machine Learning: Scikit-learn, Data Preprocessing, Feature Engineering, Model Evaluation

NLP: Transformers, Fine-Tuning, Hugging Face, NLTK

Security: Authentication, Authorization, CORS, Rate Limiting, API-Key Middleware, Environment-Based Secrets

Debugging: Chrome DevTools, Postman, Browser Console, Node.js Debugging, Log Analysis, Root-Cause Analysis

Tools & Platforms: Git, GitHub, VS Code, Jira

EXPERIENCE

Full-Stack Development Intern & Team Lead — TechTalks

May – July 2026

- Led a 5-person team building MotoTaxi, a real-time motorcycle-taxi booking platform (Next.js App Router, TypeScript, React, MySQL, Socket.IO) replacing a manual WhatsApp-based dispatch workflow.
- Developed live GPS driver tracking with Leaflet/OpenStreetMap, a Haversine nearest-driver auto-assignment algorithm, and an admin dashboard with driver management, live map, and daily order stats.
- Owned the full delivery cycle: requirements, ERD, and architecture documentation, epic-based Jira sprints, GitHub branching/PR workflow across the team, and sprint reporting to the supervisor.

PROJECTS

Fake Reviews Detection — Machine Learning + NLP

- Fine-tuned a DistilBERT transformer for binary fake-vs-real review classification, reaching 97% accuracy on a balanced 48,000-record dataset.
- Built a full NLP pipeline (NLTK preprocessing, tokenization, dataset balancing, 80/10/10 stratified split) trained via the Hugging Face Trainer API with F1-optimized model selection.
- Deployed as a full-stack app (FastAPI backend, React frontend) comparing DistilBERT to a Logistic Regression + TF-IDF baseline, plus an advanced rating-aware DistilBERT mode.

AI Major Assistant — Full-Stack + Machine Learning

- Built an end-to-end system recommending the top 3 university majors with confidence scores, achieving 95% accuracy on 50,000 records using Scikit-learn with full preprocessing, feature engineering, and cross-validation.
- Designed the architecture with React, Node.js, MySQL, and Flask — 4 REST APIs over a normalized 10-table database — hardened with a least-privilege MySQL user, env-based credentials, restricted CORS, rate limiting, and API-key middleware.
- Integrated a chatbot that collects student grades, interests, and academic section to deliver real-time ranked 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 with Node.js/Express for 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.

SOFT SKILLS

Problem Solving | Critical Thinking | Troubleshooting | Teamwork & Collaboration | Communication | Time Management | Adaptability