

## JAD AL HALABI

📍 Beirut, Lebanon | ✉ jad.alhalabi02@lau.edu | 📞 +961 71 404 961 | 👤 [linkedin.com/in/jadalhalabi](https://www.linkedin.com/in/jadalhalabi) | 💻 [github.com/jadhxo](https://github.com/jadhxo)

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### Professional Summary

AI/ML-focused Computer Science graduate skilled in data science, machine learning, and cloud deployment. Experienced in building AI-powered applications and full-stack solutions with measurable impact. Certified AWS Cloud Practitioner with strong foundation in predictive modeling and cloud-based systems.

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### Education

**B.S. Computer Science** – Lebanese American University (LAU)

*Graduated: December 2024*

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### Experience

**Data Science Intern** – COG Developers

*Mar 2025 – June 2025*

- Built AI-powered news analysis pipeline, boosting accuracy from 87% → 93%.

**Data Science Research Assistant** – LAU

*Sep 2024 – Mar 2025*

- Achieved 84% model accuracy, demonstrating strong analytical skills and data-driven decision-making.
- Applied predictive modeling (XGBoost, Feature Selection, Neural Nets) and advanced data processing.

**Software Developer Intern** – IDS

*Aug 2023 – Sep 2023*

- Developed web tools with ASP.NET + SQL, streamlining data workflows.
- Automated tasks to improve data entry efficiency.

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### Projects

- **AI – Powered News Analysis Pipeline** – LangChain + GPT API with Flask back-end deployed on AWS EC2.
  - **Web Scraper** – Python + Selenium + reverse-engineered APIs, storing structured data in SQL.
  - **Sleep Disorder Predictor** – Developed a ML model to predict sleep disorders, implementing algorithms like Naive Bayes, achieving 52% test accuracy to assist in identifying risk factors.
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### Certifications

- AWS Certified Cloud Practitioner (*Dec 2024*)
  - Supervised Machine Learning: Regression and Classification – DeepLearning.AI (*Feb 2025*)
  - Advanced Learning Algorithms – DeepLearning.AI (*Aug 2025*)
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### Skills

- **Programming:** Python, C++, Java, SQL, JavaScript, HTML, CSS.
  - **ML/DS:** Scikit-learn, TensorFlow, Keras, XGBoost, Pandas, NumPy.
  - **Cloud/Tools:** AWS, Docker, GitHub, Flask, Selenium, PowerBI.
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**Languages:** English (Fluent), Arabic (Native)