# Albaraa I. Alsmail

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## Professional Summary

Highly motivated Artificial Intelligence Engineer (Graduation: Sept 2025) with a strong foundation in deep learning, data manipulation, and full-stack system deployment. Proficient in Python (TensorFlow, Keras) and modern JavaScript (React, Next.js). Eager to leverage a research-driven background and end-to-end project ownership to solve complex, real-world problems.

## Technical Skills

- **Programming Languages**: JavaScript, Python, C/C++, HTML/CSS, Java, Bash, R, Flutter, Dart
- **Technologies**: Pandas, NumPy, scikit-learn, TensorFlow, Keras, XGBoost, Git, UNIX/Linux, Jupyter, Data Visualization (Matplotlib, Seaborn), GPU Computing (CUDA), Docker, Google Cloud Platform
- **Open-Source Contributor & Linux Customization**
- Developed a GNOME extension to enhance user experience and system customization.
- Customized Hyprland and GNOME window managers, optimizing workflows and aesthetics.
- Actively contribute to open-source projects on GitHub, engaging in commits, issues, pull requests, and discussions.

## Education

**Al-Sham Private University** Damascus, SY

*Bachelor's of ITE, Artificial Intelligence* *Sep 2021 — Sep 2025*

- Dean's List: Dr. George Karraz, Dr. Iyad Alkhayat, Dr. Afaf Alshalabi
- Cumulative GPA: 2.77/4.0 | Completed in 4 years accelerated 5-year curriculum.
- **Relevant Coursework**: Data Structures, Program Development, Microprocessors, Abstract Algebra, Linear Algebra, Discrete Mathematics, Multivariable & Single Variable Calculus, Principles and Practice of Comp Sci, Information Retrieval Systems, Expert Systems, Machine Learning, Neural Networks, Deep Learning.
- Completed the degree in an accelerated timeframe by focusing on rigorous coursework and practical projects.

## Projects

**AI Developer & Researcher**, AI-Driven Exoplanet Biosignature Classification (Lumos Project) (chikobara.github.io/Lumos) Oct 2024 — Sep 2025

- Developed a full-stack AI pipeline to classify exoplanet biosignatures from low-SNR synthetic spectra.
- External Validation: Successfully exhibited the project at Tech Expoland 2025, validating its technical quality and practical application.
- Media Recognition: Project results and methodology were published in a detailed article by the Syrian Arab News Agency (SANA). Link to the article: https://sana.sy/locals/2316044/

**Memoir, a Full-Stack/AI DEV**, Memoir (open-memoir.vercel.app), (open-memoir.vercel.app) Jul 2024 — Sep 2024

- Developed an open-source, real-time cross-platform note-taking app using Next.js, ElectronJS, React, and TypeScript.
- Implemented a chatbot feature using the Gemini API to enhance user interactions.
- Designed and optimized a scalable NoSQL backend (Convex) to ensure high performance and reliability for real-time collaboration.
- Managed PR reviews, resolved bugs, and drove continuous open-source collaboration based on user feedback.

## Professional Development & Extracurricular

**Python For Everybody Specialization - Coursera** (coursera.org/verify/N8K8SZACWR24) Jul 2021

**Python Data Structures - Coursera** (coursera.org/verify/VRJ4Q8TCX2TB) Oct 2021

**Using Python to Access Web Data - Coursera** (coursera.org/verify/8CEUJRLBK4M2) Dec 2021

**What is Data Science? - Coursera** (coursera.org/verify/XFXJFKWMDYXH) Sep 2023

**Machine Learning with Python** (coursera.org/verify/O8V2EE8WCBV5) Jan 2025

**IBM AI Engineering Professional Certificate** Sep 2024 — Present