

# 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**  
*Bachelor's of ITE, Artificial Intelligence*
- Damascus, SY  
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 (Graduation Project),** AI-Driven Exoplanet Biosignature Classification (Lumos Project)  
([chikobara.github.io/Lumos](https://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/>
- Full-Stack/AI DEV, Semester Project, Memoir** (open-memoir.vercel.app), ([open-memoir.vercel.app](https://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](https://coursera.org/verify/N8K8SZACWR24))
- Jul 2021
- Python Data Structures - Coursera** ([coursera.org/verify/VRJ4Q8TCX2TB](https://coursera.org/verify/VRJ4Q8TCX2TB))
- Oct 2021
- Using Python to Access Web Data - Coursera** ([coursera.org/verify/8CEUJRLBK4M2](https://coursera.org/verify/8CEUJRLBK4M2))
- Dec 2021
- What is Data Science? - Coursera** ([coursera.org/verify/XFXJFKWMDYXH](https://coursera.org/verify/XFXJFKWMDYXH))
- Sep 2023

**Machine Learning with Python** ([coursera.org/verify/O8V2EE8WCBV5](https://coursera.org/verify/O8V2EE8WCBV5))

Jan 2025

**IBM AI Engineering Professional Certificate**

Sep 2024 — Present