Dani Kanso

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Education

American University of Beirut, Lebanon   May 2026
Bachelor of Engineering in Computer and Communication Engineering (GPA: 3.83/4)

Shouf National College, Lebanon   July 2022
Lebanese Baccalaureate in Life Science (Grade: 17.3/20)

Skills

Programming languages: C/C++, C# , JavaScript, Python, Kotlin, SQL
Frameworks, Libraries, and Tools: Palantir Foundry, React, Flask, Dotnet, Git, Pytorch, PySpark
Languages: Fluent in English and Arabic
Other Skills: Technical writing, Team Management, Communication

Experience

Research Assistant – American University of Beirut   Jan 2025 - Present

- Conducted research on AI-enabled Semantic Communication with a focus on privacy and robustness.
- Read research papers, analyzed methodologies, and summarized findings.
- Implemented semantic encryption and semantic reconstruction, replicating the results of a paper using Pytorch.
- Wrote a paper titled "Adversarial and Channel Noise Mitigation in DeepSC using Semantic Signatures" that integrates semantic signatures into DeepSC to increase robustness.

Data Engineering and Analytics Trainee – inmind.ai   Feb 2025 - March 2025

- Gained hands-on experience with Palantir Foundry, Data Lineage, and Pipeline Builder.
- Built ETL pipelines for processing and analyzing large datasets using PySpark.
- Built Interactive dashboard using Palantir Workshop.
- Built an E2E data-driven real estate investment solution that derives metrics from different datasets to find the best properties to invest in.

Projects

FabricAid App – Amazon Mentorship Program   June 2024 - Sept 2024

- Developed a fabric donation webapp for the nonprofit organization FabricAid.
- The app helps users find the nearest fabric donation bin or FabricAid's thrift shops.
- Built using React, AWS Lambda, Amazon Aurora, and Amazon Amplify.

YallaChat – Real-time Chatting App   April - May 2024

- Developed a real-time chatting app with a team for a networking course.
- Implemented using Python sockets, PyQT5, and SQLite3.
- Features include login/signup, friends list, real-time chatting, and concurrent server handling.

YallaTla3 – Public Transportation App   Sept - Dec 2024

- Developed a public transportation system and app for a database systems course.
- Designed using the relational model and implemented with PostgreSQL, Flask, and React.
- Compiled a report outlining all the phases starting from ER, going over Mapping, and ending with Normalization and Implementation