

MARAM SHATILA

Computer & Communications Engineering

maram.shatila@gmail.com | +961 70 804 025 | Beirut, Lebanon

PROFILE

Computer and Communications Engineering student at AUB with hands-on experience in software development and machine learning. Currently conducting undergraduate research on LLM-driven personalization and experienced in programming with solid foundations in algorithms. Actively seeking a development-focused internship to apply skills in real-world systems.

EDUCATION

Bachelor of Engineering – Computer & Communications Engineering – American University of Beirut (AUB)
Aug 2023 – Jun 2027

GPA: 3.58 / 4.00 | Relevant Coursework: Data Structures & Algorithms, Introduction to ML, AI in Industry

Machine Learning Workshop Certificate – AWE × WIE × MSFEA (2025)

RESEARCH EXPERIENCE

Undergraduate Researcher – AI & LLM Personalization – American University of Beirut 2026 – Present

- Investigating the use of Large Language Models (LLMs) for designing personalized tourism experiences, exploring AI patterns and prompt engineering strategies
- Analyzing datasets to evaluate LLM-generated recommendations and measure personalization effectiveness
- Synthesizing research literature on AI-driven personalization; structuring findings into actionable reports
- Collaborating cross-functionally with team members to design experiments and present results

ACADEMIC PROJECTS

Heart Disease Prediction – Machine Learning | Python, Scikit-learn 2025

- Built and evaluated supervised ML models (logistic regression, decision trees, random forests) on real-world patient data
- Performed data preprocessing, feature selection, and model performance to identify key predictive risk factors

Racecar Simulation – Python | Decision-Making & Optimization 2024

- Designed and implemented a real-time racecar simulation system with custom decision-making logic and performance optimization loops
- Iteratively tuned parameters to improve navigation stability and simulation accuracy

ECDSA Implementation – Python | Cryptography & Algorithmic Engineering 2025

- Implemented Elliptic Curve Digital Signature Algorithm from scratch, emphasizing modular architecture and algorithmic correctness
- Validated implementation through systematic unit testing and edge-case analysis

TECHNICAL SKILLS

Languages	Python, C++, MATLAB, Verilog, HTML, SQL
ML / AI	Scikit-learn, supervised learning, LLM prompting & agentic systems
Tools	GitHub, VS Code, PyCharm, MS Excel, PowerPoint
Core Skills	Algorithmic thinking, data analysis, research synthesis, software design

ADDITIONAL

- Volunteer at AUB Outdoors (2025)
- Member at the IEEE Club and Google Developers Group Club at AUB
- Participated in WiDs Hackathon (2025) and AI Engineering Course Hackathon (2026)