

# LEEN DUHAINI

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## EDUCATION

**American University of Beirut** | Beirut, Lebanon

Bachelor of Science in Computer Science, Minor in Applied Mathematics | Aug 2023 - May 2027

- **GPA: 3.66** | Dean's Honor List (May 2024)
- **Relevant Coursework:** Data Structures, Algorithms, Discrete Structures, Systems Programming, Computer Organization, Software Engineering, Machine Learning, AI Ethics, Calculus I/II/III, Linear Algebra, Differential Equations, Probability & Random Variables
- **Activities:** Computer Science Student Society

**Qatar Academy Doha** | Doha, Qatar

High School Diploma with High Honors | Aug 2021 - May 2023

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## EXPERIENCE

**Social Media Manager** | AUB Computer Science Student Society | Aug 2024 - Present

- Manage social media presence and create engaging content to promote departmental events and student achievements
- Strengthened community engagement and visibility across platforms through consistent outreach and strategic content planning

**English Tutor** | YMY Agency (Remote) | Feb 2024 - Jul 2024

- Guided students in improving essay writing, grammar, and communication skills
  - Developed personalized feedback strategies to build confidence and fluency in written and verbal English
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# PROJECTS

**Connect4 Bot** | C, Game Theory, AI Algorithms | [GitHub](#)

- Implemented Connect 4 game in C with an unbeatable AI opponent using Minimax with Alpha-Beta pruning
- Applied advanced game-search algorithms including iterative deepening and transposition tables for optimal performance
- Collaborated in a team to design efficient game logic, memory management, and AI decision-making systems

**CS Memes Bot** | n8n, Bluesky API, Python | [Live Bot](#)

- Designed and deployed an automated Bluesky bot that publishes computer science memes on a scheduled basis
- Built end-to-end n8n workflows for content selection, scheduling, and automated posting
- Integrated Bluesky AT Protocol API for authentication and content publishing

**Telegram Store Bot** | Telegram API, n8n, Workflow Automation

- Developed an automated Telegram-based store with seamless chat-based shopping experience
- Created n8n workflows to manage product listings, user interactions, and order handling
- Focused on automation, reliability, and user-friendly design for enhanced customer experience

**Ethics of AI in Surveillance** | Research Project | Oct 2024 - Dec 2024

- Conducted research on ethical implications of AI in surveillance systems, focusing on Qatar's smart technology expansion
- Analyzed case studies around pandemic control and large-scale events (FIFA World Cup)
- Explored frameworks promoting transparency, accountability, and human rights in AI applications

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# TECHNICAL SKILLS

**Programming Languages:** Python, Java, C, C++, HTML

**Libraries & Tools:** NumPy, Scikit-learn, n8n, Git

**Core Competencies:** Machine Learning, Data Structures, Algorithms, API Integration, Workflow Automation, Low-Code Development

**Areas of Interest:** Machine Learning, Data Science, AI Ethics, Algorithm Design, Software Engineering

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## CERTIFICATIONS

**Machine Learning Specialization** | Stanford University (Coursera - Andrew Ng) | Jul 2024

- Completed comprehensive 3-course specialization covering supervised/unsupervised learning, neural networks, recommender systems, reinforcement learning, and ML best practices
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## LEADERSHIP & ACTIVITIES

**Admin Head of Conference Room** | THIMUN Qatar | Mar 2023

- Oversaw organization, coordination, and smooth execution of conference proceedings for international Model UN conference

**Photographer** | THIMUN Qatar | Mar 2022

- Captured high-quality images documenting key moments, speakers, and delegate interactions during the conference

**Girls Varsity Basketball Team Captain & Volleyball Team Member** | Qatar Academy Doha | 2021 - 2023

- Led basketball team to competitions, earning Best Sportsmanship Award (NESCAC Tournament, Feb 2023)
- Received Female Scholar Athlete Award for excellence in athletics and academics (May 2023)
- Competed as member of Girls Varsity Volleyball Team

### Mathematics Competitions

- CMUQ Pi Day Competition Participant (Feb 2023) - Competed as part of four-member team solving complex mathematical problems collaboratively
- World Mathematics Team Championship Merit (Dec 2021) - Earned Merit for outstanding performance in international competition