Salma Al-Nsour سلمى النسور

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SUMMARY

I am a Jordanian Woman dedicated community leader who has established well-being and personality-strengthening spaces within our community. As a self-taught programmer, I have a track record of completing multiple projects and winning various competitions by leveraging technology to address community needs. My ultimate goal is to further my education in Computer Science and Artificial Intelligence, which will enable me to expand upon my previous successful projects, contribute more to my community, satisfy my thirst for knowledge, and continue creating groundbreaking initiatives.

EDUCATION

Current School: Ahliyyah & Mutran School   Amman, Jordan **(2012-2024)**

IB Baccalaureate
- o   Mathematics: Analysis & Approaches HL | Physics HL | Business & Management HL
- o   English A Language & Literature SL | Chemistry SL | Arabic A Language & Literature SL

EXTRACURRICULAR EXPERIENCES

Robotics
- Member of the Ahliyyah and Mutran robotics club that dealt with Arduino UNO assembling and programming, LEGO Mindstorms robot creating and programming.
- Finalist in the Arab Robotics and AI Association 2021 ball collector competition
- Created a home automation system that increases efficiency in energy consumption and utilizes green energy in homes.
- Created a teacher assistant robot for the 2021 COVID-19 return to school that minimizes physical contact between students and teachers to eliminate contamination of the virus.

Development
- Created a website for a small business that allows customers to buy items and contact the business.
- Created an educational game for students struggling with subjects such as nutrition and biology.
- Created a political game that raises awareness of the economic and political crisis in Lebanon.
- Co-developing a website that will act as a hub for students to seek out and find opportunities within their desired work field such as internships and volunteering opportunities.
- Learned programming languages such as HTML, C++, JAVA, SQL, and CSS.
- Created small projects such as website pages with HTML and CSS
  - o   *Calculators, tic-tac-toe games, and Chatbots using Java which are published to GitHub.*
- Created Relational Databases using SQL.

DESIGN EXPERIENCES & ACCOMPLISHMENTS

Product design
- Created a model of a house using Sketchup that won first place in the Ahliyyah and Mutran Annual Dream House competition judged by established architects and granted an internship at an Architect's office.
- 1st place winner for "overall performance and Maximum Load carried" at the Balsa Bridge Design Competition held by the American Society for Civil Engineers -University of Jordan Chapter.
- 2nd Place winner for the Maximum Load carried in the Balsa Wood Bridge Building Competition held by the Ahliyyah and Mutran schools.

Digital Design
- Two-year finalist in the Dubai Institute of Design and Innovation, Design Space Competition in challenges offered by companies such as Landor and Fitch and Schneider Electric.
- Learned the skill of animation on Adobe Animate and animated videos addressing issues such as religious segregation and wars.
- Learned the skill of Photoshop on Adobe Photoshop and created many logos such as a logo for the digital design department in the Ahliyyah School for girls, logos for a rebranding of Vogue Arabia for the Dubai Institute of Design and Innovation Design Space Competition, and assisted in creating the Ahliyyah's 2023 Mutran Model United Nations logo.

Internships
- Farah Architect, an architectural office, offered me a 2-week internship where I was able to create landscaping and house designs with well-established architects in Jordan. I was able to further advance my SketchUp skills and learn the basics of AutoCAD.
- Bank Al-Etihad one-month internship in the Digital Tribe Department and the Business Intelligence and Data Science Department, where I got to create databases and learn programming languages such as SQL and Java. Also, I gained valuable insights about software and system development from experts in the department.
- Bank Al-Etihad One Month internship in the Digital Tribe Department under the mentorship of Technology Leaders.

School and Community Leadership activities
- Class representative   **(2020-2021)**

- Initiated the school's online study group program to increase student morale and motivation during the online learning period. **(2021)**
- Leader of two study groups. **(2021)**
- Tutored students in my grade class and the grade class below me in subjects such as Mathematics, Chemistry, Physics, and Biology **(2020-2023)**
- Founded and led the first English debate club in the school.
- Member of the Arabic debate club and competed in internal school competitions where we also received weekly training from the intellect and debating society.

RESEARCH PROJECTS

- Research paper on determining the wavelength of an unknown laser light using multiple slit interference. I developed a methodology on a laser pointer with a known wavelength and applied it to another laser pointer with an unknown wavelength to determine its wavelength. **(2023)**
- Research on the effect of mass on the fractional depth of an object submerged in a liquid. This was done through Archimedes' principles and experiments. This research aids in underwater robotics technology, such as submarines. **(2023)**
- Research paper on the effect of changing the concentration of magnesium carbonate ions on the oxidizing ability of bleach in removing FCF by measuring its absorbance through a calorimeter **(2023)**
- Research paper on the Fibonacci sequence and its applications in music theory **(2022)**
- Research paper on the effect of the position of an object on the passing of time around it (gravitational time acceleration and velocity time acceleration) **(2023)**

MODEL UNITED NATIONS

- Delegate and two-time main submitter in the General Assembly Committee in the Ahliyyah and Mutran Model United Nations **(2019)**
- Delegate in the General Assembly committee in Adolescents Model United Nations. **(2020)**
- Delegate in Security Council committee in Leading Impact Model United Nations **(2021)**
- Deputy Head of Treasury in Ahliyyah and Mutran Model United Nations **(2023)**
- Head of External Affairs (secretariat leading team) in Ahliyyah Mutran, Mutran Model United Nations **(2023-2024)**

MUSIC EXPERIENCES

- Passed Grade 1, Grade 2, Grade 3, Grade 4, and Grade 5 of the ABRSM *(Associated Board of the Royal Schools of Music)* Violin Exam. *(With Distinction, With Merit, With Merit, Pass, Pass)*
- Passed the Grade 5 Associated Board of the Royal Schools of Music (ABRSM) Music Theory exam with Merit
- Member of the National Conservatory's children's orchestra **(2012-2018)**
- Member of the Jordan ensemble
- Member of the Jordan youth orchestra that made multiple appearances on national television channels (first violin). **(2019-present)**
- 10 years of extensive education in the National Music Conservatory (NMC) in Musical History, Music theory, and Music Reading classes. **(2010-2020)**
- 2 years of education at the Amman Institute of Performing Arts in a higher level education "comprehensive course" that encompasses a deep understanding of historical musical context, solfege, musical theory and harmonization, composition, and solo and duet practice
- Part of a chamber music duo, practicing baroque and romantic music under the mentorship of very established Middle Eastern musicians such as Ihab Jamal, Jana Semaan, and Kareem Said.
- Soprano-alto in Amman Institute of Performing Arts, the choir

LANGUAGES

French
- Completed the A1 DELF exam presented by the French embassy with a score of 94.5% and was honored by the French ambassador **(2021)**
- Completed the A2 DELF exam presented by the French embassy with a score of 85% **(2022)**
- Wrote a book in French for International Francophone Day to read to elementary students to enhance their French vocabulary **(2022)**

English
- Competed in the English Language Olympiad (ELO) and was awarded with Best Direction **(2018)**