**LEBANESE AMERICAN UNIVERSITY**

**USAID – HIGHER EDUCATION SCHOLARSHIP PROGRAM**

**HES - Volunteering Program Verification Form**

This form is to be used to document volunteering hours. If a student volunteers for multiple organizations, a separate form must be used for each organization. **This form must be turned in by the 28th of each month, the latest.**

I certify that the scholar Jana mohamad rizk completed a total of 5 hours of service at InnovaThrive.

The hours were completed hours as per the below:

Hours # 5 (date) \_2/12 – 6/12\_ (initials of supervisor) \_\_A.K.\_\_\_

Hours # 0 (date) \_9/12 – 13/12\_ (initials of supervisor) \_\_A.K.\_\_\_

Hours # 0 date) \_16/12 – 20/12 (initials of supervisor) \_\_A.K.\_\_\_

Hours # 0 date) \_23/12 - 27/12 (initials of supervisor) \_\_A.K.\_\_\_

Brief description of the activities the scholar performed or participated in:

AI in Detecting Early Signs of Neurodegenerative Diseases  
Definition: Investigating AI’s role in identifying early indicators of conditions like Alzheimer’s and Parkinson’s.  
Technologies:  
  
Machine learning for analyzing brain scans.  
Natural language processing for speech and memory evaluation.  
  
Applications:  
Early detection through subtle changes in speech patterns.  
AI-powered tools for monitoring motor function over time.  
  
Statistics  
: Studies showing AI improves early detection rates by 20%.  
  
Advantages:  
Enabling early interventions to slow disease progression.  
Reducing costs associated with late-stage care.  
Disadvantages:  
Ethical concerns about misdiagnosis.  
Challenges:  
Access to diverse datasets for accurate training.  
Future Research:  
Expanding AI applications to non-invasive diagnostic tools.  
  
Integration with wearable devices for continuous monitoring.

Written feedback about the scholar’s performance:

Jana exhibits impressive research and analytical skills, focusing on AI's role in early neurodegenerative disease detection. Her ability to synthesize technical information and consider future applications showcases her strong problem-solving and forward-thinking mindset.

Please rate the overall performance of the scholar at your organization:

|  |  |  |  |
| --- | --- | --- | --- |
|  | Mastery (5) | Proficient (3) | Emerging (1) |
| **Problem solver** | X |  |  |
| **Engaged & Committed** | X |  |  |
| **Open-minded & multicultural** | X |  |  |

Signature

& stamp

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Printed Name \_Andrew El Kahwaji\_

Date \_\_26/12/2024\_\_\_

Email \_\_andrew.lifesculptor.coo@gmail.com \_\_

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Description automatically generatedPhone \_\_+961 71 914 378\_\_