

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 Andrew El Kahwaji

Printed Name Andrew El Kahwaji

Date 26/12/2024

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CEO of InnovaThrive