INTERNSHIP REPORT

ON

YBI Foundation

Submitted in partial fulfilment of the requirement for the award

of

Degree of Bachelor of Computer Application

University of Madras, Chennai

BY

EVANGLINE.S

(Register No. 212304435)

DEPARTMENT OF COMPUTER APPLICATION

SHRI SHANKARLAL SUNDARBAI SHASUN JAIN COLLEGE

FOR WOMEN

CHENNAI

ISO 9001 2015 **CERTIFIED**

Corporate Identification Number
U80903DL2020NPL371984

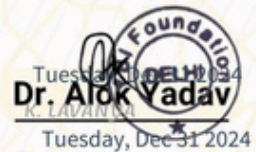14364000030499206

Ybi Foundation

This is to certify that

EVANGLINE.S

has successfully completed

Artificial Intelligence and Machine Learning Internship

Duration: 1 Month completed on Tuesday, Dec 31 2024

demonstrated exceptional dedication with strong willingness to learn and actively engaged in projects and tasks exhibiting remarkable skills with high level of professionalism.

ISO 9001Certified

Dr. Alok Yadav
Tuesday, Dec 31 2024
K. LAVANGA

Scan QR Code for Certificate Verification
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CERTIFICATE

CONTENT

<h1 style="text-align: center;">INTERNSHIP REPORT ON YBI Foundation</h1>

Introduction:

This report outlines my internship experience at YBI Foundation as an intern in the domain of Artificial Intelligence (AI) and Machine Learning (ML). The primary objective of this internship was to gain practical experience and develop a strong foundation in AI and ML technologies by working on real-world projects and contributing to the organization's ongoing research and development initiatives.

About YBI Foundation:

YBI Foundation is a leading non-profit organization dedicated to fostering innovation and research in Artificial Intelligence and Machine Learning. They aim to empower young professionals and students by providing them with the knowledge and tools necessary to excel in the field of AI and ML through workshops, training programs, and real-world project experiences.

Objectives of the Internship:

The key objectives of this internship were:

- To learn the fundamentals of AI and Machine Learning algorithms.
- To work on practical applications of ML in real-world scenarios.
- To gain hands-on experience with popular ML tools and technologies.
- To understand the research and development processes in AI.

Training and Learning:

During the initial phase of the internship, I underwent intensive training on the following topics:

- Introduction to AI and ML
- Supervised and Unsupervised Learning algorithms
- Deep Learning concepts
- Neural Networks and their architectures
- Natural Language Processing (NLP)
- Data Preprocessing and Feature Engineering

Tools and Technologies Used:

- Python (Libraries: NumPy, Pandas, TensorFlow, Keras, Scikit-learn)

- Jupyter Notebooks
- Git for version control
- Google Colab for cloud computing
- Matplotlib and Seaborn for data visualization

Challenges Faced:

During the course of the internship, I encountered several challenges such as:

- Handling large datasets and optimizing data processing workflows.
- Tuning machine learning models to achieve higher accuracy.
- Balancing theoretical knowledge with practical implementation in a fast-paced environment.

I was able to overcome these challenges with the help of my mentors and continuous learning.

Skills Acquired:

Throughout the internship, I gained the following skills:

- Proficiency in Python programming for Machine Learning.
- Understanding and implementation of various ML algorithms.
- Experience in developing end-to-end ML solutions.
- Improved problem-solving and analytical skills.
- Ability to work collaboratively in a team environment.

Conclusion:

My internship at YBI Foundation has been an enriching experience. It has provided me with in-depth knowledge of AI and Machine Learning, as well as practical skills required to excel in the field. I am grateful to YBI Foundation for giving me the opportunity to contribute to their projects and for helping me grow both personally and professionally.