



INSTITUTE OF DATA ENGINEERING, ANALYTICS AND SCIENCE FOUNDATION Technology Innovation Hub, Indian Statistical Institute, Kolkata

Serial No: IDEAS-TIH/INTERN/AUG2025/1026

Date: 25/11/2025

Certificate of Internship

This is to certify that **MD Sahil Hasan Habib**, a student of **BANGABASI COLLEGE**, with **Student ID :2510973235**, has successfully completed his **10-week Autumn Internship Programme** organised by the **IDEAS - Institute of Data Engineering, Analytics, and Science Foundation**, Indian Statistical Institute, Kolkata from 25.08.2025 to 31.10.2025.

During the internship, MD Sahil Hasan Habib worked on the project titled **CLASSIFYING CHEST X-RAY IMAGES INTO NORMAL VS PNEUMONIA USING PRETRAINED CNNS** under the guidance of **DR. SNEHALIKA LALL**. He completed all assigned tasks and activities, submitting a project report to the satisfaction of the project guide.

In addition to the project work, he attended a 30-hour online training covering the following topics:

- Basic Statistics for Data Science (2 hours)
- Data Visualization (2 hours)
- Introduction to GitHub and Cloud Computing (2 hours)
- Machine Learning: Regression & Classification (4 hours)
- Computer Vision Overview (2 hours)
- System view of Data Science (2 hours)
- Communication Skills (2 hours)
- Deep Learning (4 hours)
- Streamlit: Widget handling & Database integration (4 hours)
- Basics of Natural Language Processing (2 hours)
- LLM Fundamentals (2 hours)
- Discussions /Self-Study (2 hours)

Over this period, MD Sahil Hasan Habib dedicated approximately 120 hours to this internship, including learning sessions, project discussions, data collection, data analysis, coding and report writing.

This internship program was designed in accordance with the UGC guidelines on Internship published in 2023, with the objective of skill development and building research capabilities through learning opportunities.

I wish MD Sahil Hasan Habib all the success in his future career.

With Regards,

(AGNIMITRA BISWAS)
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CEO
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TIH @ ISI Kolkata

To validate certificate authenticity please visit:
<https://www.ideas-tih.org/certvalidate>

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