

**Dr. P. Pavan Kumar**  
M. Tech., PhD  
Associate Professor, HOD  
Department of DS & AI,  
Faculty of Science and Technology,  
IFHE, Hyderabad.  
Email: [pavanpk@ifheindia.org](mailto:pavanpk@ifheindia.org)  
Contact No: +91 8977140144

Dated: [15/09/2024]

**Internship Completion Certificate**

This is to certify that Mr./Ms. **Hritwik Ghosh**, a student of **B.Tech** at **VIT-AP University**, has successfully completed an internship at the Department of Artificial Intelligence & Data Science under the guidance of **Dr. P. Pavan Kumar**, Associate Professor, from [24/04/2023] to [23/04/2024].

The internship, titled "**Machine Learning in Medical Image Processing**," focused on the development and application of advanced deep learning models for medical diagnostics. During the course of this internship, Mr./Ms. **Hritwik Ghosh** demonstrated an exceptional ability to apply theoretical knowledge in practical settings, contributing to significant research work.

As a result of this internship, Mr./Ms. **Hritwik Ghosh** successfully authored and published the following three research papers:

- *From Pixels to Pathology: The Power of CNNs in Detecting Tuberculosis*
- *Convolutional Neural Networks for Automated Pneumonia Diagnosis from Chest X-rays*
- *Enhancing Alzheimer's Disease Diagnosis with Deep Learning: A CNN Approach Utilizing Extensive MRI Data for Stage Classification*

We commend Mr./Ms. **Hritwik Ghosh** for his/her diligence, dedication, and innovative approach to problem-solving. We wish him/her continued success in all future academic and professional endeavors.

  
(Dr. P. Pavan Kumar)

