**Dr. P. Pavan Kumar**
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Dated: [15/09/2024]

## Internship Completion Certificate

This is to certify that Mr./Ms. **Irfan Sadiq Rahat**, 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. **Irfan Sadiq Rahat** demonstrated an exceptional ability to apply theoretical knowledge in practical settings, contributing to significant research work.

As a result of this internship, Mr./Ms.**Irfan Sadiq Rahat** 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. **Irfan Sadiq Rahat** 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)