



DATAPKT/HR/2024-2025/157

31.03.2025

EXPERIENCE CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Aryavart**, a student of **Indian Institute of Technology, Kanpur**, has successfully completed his internship at **DATAPKT PRIVATE LIMITED** from **01st December 2024 to 15th February 2025**, in the role of **Data Analyst (Intern)**.

During his internship, Aryavart worked on the following project:

Project Title:

Predictive Analytics and Scalable Data Infrastructure for Drone-Based Aviation Systems

Project Description:

Aryavart contributed to the design and development of robust data pipelines and machine learning models to support real-time monitoring and predictive maintenance for drone operations. He created automated workflows to process and analyse drone telemetry and sensor data, enabling efficient diagnostics and operational insights.

He also worked on the development of machine learning models using clustering and regression techniques to identify potential system failures in advance and assist in maintenance planning. The project emphasized model interpretability, data engineering, and operational impact in aviation systems.

Key Skills & Contributions:

- Designed Python-SQL based data pipelines to automate aviation data processing
- Developed ML models for forecasting faults in key drone subsystems
- Applied feature engineering techniques for enhanced model performance
- Delivered insights through reports and dashboards for internal stakeholders
- Demonstrated sound understanding of predictive maintenance, data analytics, and aviation systems

Aryavart exhibited excellent analytical skills, a methodical approach to problem-solving, and a keen interest in real-world applications of machine learning and data infrastructure. His contributions were highly appreciated by the team.

We wish him continued success in his future endeavours.

Best Regards

For DATA PKT PVT. LTD.

Director

HITESH

Managing Director

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