MOHAMMED RIYAN H

AI/ML Developer | Space Explorer Enthusiast

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SUMMARY

Determinated Artificial and Data science student with a deep passion for Machine learning . I am eager to leverage my skills and knowledge by Quick learning. Committed to expanding my expertise by making impactful contributions to the space industry.

WORK EXPERIENCE

Internship (Offline) - @Chennai Institute of Technology   **May – June 2025**

- Conducted research on AI applications in CNC, EDM, and hybrid manufacturing processes.
- Analyzed AI-driven solutions for tool wear prediction, process control, and optimization.
- Compiled a detailed internship report on smart manufacturing technologies.
- Exhibited project work at ACMEE 2025, one of South India's largest industrial expos, as part of internship showcase.

CERTIFICATIONS

- **Certification in Data Science**
- **Certification in Numpy**
- **Certification in Pandas**
- **Certification in Geo Pandas (GIS)**
- **Certification in Matplotlib**

- **Certification in Machine Learning**
- **Certification in Deep Learning**
- **Certification in Convolutional Neural Network (CNN)**
- **Certification in Embedded System Design Overview**
- **Certification in VLSI System on Chip Design Overview**

PROJECTS

Orientation-Based Flight Stability Analysis Model Achieved 90%+ accuracy in predicting flight stability using satellite sensor data.

Atmospheric Layer Classification Model Achieved 90%+ accuracy in classifying atmospheric layers based on pressure and altitude data.

ML Based Website Creation Car Price prediction , Gold Price Predictor, Home Price Predictor, Startup Predictor, Survival of Patients Prediction

DL Based Website Creation Digit Recognizer

Custom Zomato-like Database System Built a SQL-based restaurant recommendation system from scratch to optimize data querying and user preference filtering.

ADDITIONAL INFORMATION

Technical Skills: Python, HTML, CSS, MySQL, Pandas, NumPy, Matplotlib, GIS (Basic), Remote Sensing (Basic), Tensorflow, Penny lane.

Soft Skills: Creative Problem Solving, Critical Thinking, Teamwork, Adaptability

Languages: English (Fluent), Tamil (Fluent), Japanese (Basic)

EDUCATION

Chennai Institute of Technology

B.Tech Artificial Intelligence and Data Science - 2nd Year