

# YASHDEEP

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## EXPERIENCE

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### FLYRANK AI

#### *Machine Learning Intern*

Remote Internship

2026 – Present

- Working on applied ML tasks including data processing, model experimentation, and performance evaluation on real-world datasets.
- Collaborating on building and evaluating predictive models to support data-driven decision making.

## EDUCATION

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### MODERN INSTITUTE OF TECHNOLOGY AND RESEARCH CENTRE

#### *B.Tech in Artificial Intelligence & Data Science; SGPA: 8.24 | CGPA: 8.24*

Alwar, Rajasthan

2025 – 2029

- Coursework includes machine learning fundamentals, neural networks, data structures and algorithms, and data analysis.

## PROJECT EXPERIENCE

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### IMAGE BASED FACE DETECTION SYSTEM

#### *Face Detection Web Application*

OpenCV + Web

GitHub

- Built a face detection web application using OpenCV and Haar Cascades to detect and highlight faces from uploaded images.
- Designed a clean web interface allowing users to upload images and view detected faces highlighted in real time.

### SYNAPSE-NN NEURAL NETWORK LIBRARY

#### *Pure Python Neural Network Framework*

Python / Documentation

[synapse-nn.netlify.app](https://synapse-nn.netlify.app)

- Built a neural network framework from scratch in Python, featuring a custom matrix engine, dense layers, and multiple activation functions.
- Designed with an extensible architecture to support additional layers and features in future updates.

## CERTIFICATIONS

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### PYTHON DEVELOPER CERTIFICATION

#### *Python Developer Certification*

FreeCodeCamp

Feb 2026

- Completed the Python Developer Certification covering core Python concepts including data structures, algorithms, and problem solving.

### TATA – GENAI POWERED DATA ANALYTICS JOB SIMULATION

#### *Data Analytics Job Simulation*

Forage – Tata

June 2026

- Completed the Tata GenAI Powered Data Analytics Job Simulation on Forage, covering exploratory data analysis, predictive modeling, risk assessment, and AI-driven business strategy development.

### DELOITTE – DATA ANALYTICS JOB SIMULATION

Forage – Deloitte

- Completed Deloitte's Data Analytics Job Simulation on Forage, gaining hands-on experience with Tableau, data visualization, and business analytics.

## ADDITIONAL INFORMATION

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- Technical Skills: Python, NumPy, Pandas, PyTorch (Basics), OpenCV, React, Git & GitHub, Flask
- ML & AI: Machine Learning Basics, Neural Networks, Data Analysis, Exploratory Data Analysis, Predictive Modeling
- Design: 2D Design, UI/UX Fundamentals