

# Tanishq Mathur

Python Developer — Machine Learning & Deep Learning Enthusiast

Jodhpur, Rajasthan, India

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## Professional Summary

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Engineering student with a strong foundation in Machine Learning and Python, backed by hands-on experience in building and deploying real-world ML and Deep Learning projects. Developing interactive web applications using Streamlit, and working with real datasets. Currently exploring Generative AI concepts including LLMs and RAG. Actively seeking a Summer Internship (May–June 2026) to apply skills, gain industry exposure, and contribute to impactful projects.

## Education

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**Bachelor of Technology (B.Tech) – Artificial Intelligence and Machine Learning**

JIET Group of Institutions, Jodhpur

2024 – 2028

## Technical Skills

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**Programming:** Python, C, Java

**Machine Learning:** Regression, Classification, Model Evaluation, Data Preprocessing

**Deep Learning:** Artificial Neural Networks (ANNs), Convolutional Neural Networks (CNNs)

**Libraries & Frameworks:** Scikit-learn, Pandas, NumPy, TensorFlow, Keras, OpenCV

**Web & UI:** Streamlit, HTML, CSS, JavaScript

**Tools:** Git, GitHub, VS Code

## Projects

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**Multiple Disease Prediction System — Machine Learning Web Application**

Live App — GitHub Repository

- Built a Streamlit-based ML web application to predict Diabetes, Heart Disease, and Parkinson's Disease
- Trained separate machine learning models using real-world medical datasets
- Implemented a complete ML pipeline including data preprocessing, model training, and prediction
- Designed a clean and interactive user interface for easy user input and result visualization

**Face Mask Detection System — Deep Learning (CNN)**

Live App — GitHub Repository

- Developed a CNN-based image classification model to detect face mask usage

- Trained and tested the model using TensorFlow and Keras
- Applied image preprocessing techniques using OpenCV
- Built and deployed an interactive Streamlit web application for real-time predictions
- Added confidence visualization using charts to improve user experience

## **Learning & Practical Experience**

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- Hands-on experience with complete ML and Deep Learning workflows from preprocessing to deployment
- Actively exploring Generative AI, focusing on LLMs, RAG, and agent-based systems
- Regularly building projects to strengthen practical understanding of AI concepts
- Comfortable working with GitHub for version control and project management

## **Career Objective**

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Seeking a Summer Internship (May–June 2026) in Machine Learning, Data Science, or Artificial Intelligence, where I can apply my technical skills, gain industry exposure, and grow through real-world problem-solving.