

# GAURAV PATHAK

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🌐 [Linkedin](#)

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[HackerRank](#)

## CARRER OBJECTIVE

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Passionate about Machine Learning and Data Science with experience in predictive modeling, data visualization, and API development. Eager to build impactful solutions, contribute to innovative projects, and grow through continuous learning.

## EDUCATION

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**Millia Convent English School, Purnea**  
Class 12th - CBSE Board — PCM - **Percentage:** 84%

2020 – 2022  
Purnea, Bihar

**Lovely Professional University, Phagwara**  
B.Tech - Computer Science and Engineering (Data Science with ML) - **CGPA:** 8.1

2022 – 2026  
Phagwara, Punjab

## TECHNICAL SKILLS

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**Languages:** Python, SQL

**Technologies/Frameworks:** Scikit-Learn, TensorFlow, PyTorch, MongoDB, Numpy, Pandas, Seaborn, Matplotlib

**Developer Tools:** Google Colab, XAMPP, VS Code, PyCharm, Github, Kaggle

## PROJECTS

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**AI-Based Agricultural Assistant System** [↗](#) | Python, Streamlit, YOLO, LangChain (03/2025-04/2025)

- **Objective:** Built an AI-based agri system with plant disease detection and soil analysis features. Integrated a chatbot to assist farmers with real-time queries and recommendations.
- **Learning Outcomes :** Gained hands-on experience in Computer Vision, ML, and Generative AI.
- **Technologies Used:** Python, Streamlit, YOLO, LangChain

**Uber Supply-Demand Gap Analysis** [↗](#) | Python, Pandas, NumPy, Seaborn, Power Point (02/2024-02/2024)

- **Objective:** Identified root causes of trip cancellations and car unavailability to recommend improvements.
- **Learning Outcome:** Learned data preprocessing, EDA, visualization, and how to uncover hidden patterns.
- **Technologies Used:** Python, Pandas, NumPy, Seaborn, Power Point

**PCOS Prediction with User-Interface** [↗](#) | Python, HTML, CSS, RESTful APIs (08/2023-08/2023)

- **Objective:** Developed a website that predicts whether a patient is suffering from PCOS and provides diagnostic information.
- **Learning Outcome:** Learned Logistic Regression, Flask framework, and medical aspects of PCOS.
- **Technologies Used:** Python, HTML, CSS, RESTful APIs

## CERTIFICATIONS

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- Complete Python With DSA Bootcamp + LEETCODE Exercises - Udemy
- Data Science Masters - pwskills
- Data Structures and Algorithms using Python - CSE Pathshala

## EXTRACURRICULAR

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- Volunteer, Muskan Foundation (05-2023 - 07-2023)
- Flute (Music) Developing proficiency in flute playing; pursue music as a creative outlet to balance academics with artistic expression.