Praveen Tak

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[GitHub](#) | [LinkedIn](#)

PROFILE

Passionate Computer Science undergraduate specializing in Data Science and Machine Learning, with hands-on experience in computer vision and generative models. Recognized for delivering high-quality work in hackathons and academic projects. Actively seeking opportunities as a **Data Science Intern or Machine Learning Engineer** to contribute technical expertise and creativity to innovative teams.

Key Skills & Interests:

- Data Science & Analytics
- Machine Learning & Deep Learning
- Python, Pandas, NumPy, Matplotlib
- Computer Vision & GANs
- Neural Networks (CNNs, CycleGANs, NLP)
- Data Preprocessing & Model Evaluations

WORK EXPERIENCE

Feb 2025 – Apr 2025

Project Trainee – Defence Research and Development Organisation (DRDO)
Jodhpur, India
Domain: Machine Learning | Computer Vision | Deep Learning

Key Responsibilities & Learnings:
- Worked on the project *"Painting Generation using CycleGANs"* exploring advanced concepts in image-to-image translation using Generative Adversarial Networks.
- Implemented neural network models using Python, TensorFlow/PyTorch, and other ML libraries.
- Performed data preprocessing, augmentation, and evaluation of generated outputs.

EDUCATION

Sep 2022 – Jul 2025	**Bachelor of Science (PMCS), Lachoo Memorial of College Science & Technology, Jodhpur**	**84.50%**
May 2021 – Jul 2022	**XII (Science), Army Public School, Jodhpur**	**85.00%**
Apr 2019 – Apr 2020	**X, Army Public School, Jodhpur**	**87.83%**

SKILLS

- **Programming Languages:** Python, Java, SQL, C, C++
- **Machine Learning & Data Analysis:** Scikit-learn, TensorFlow, Pandas, NumPy, Matplotlib
- **Web Development:** Flask, FastAPI, HTML, CSS
- **Tools:** Power BI, Excel
- **Soft Skills:** Problem-Solving, Teamwork, Communication

PROJECTS

Jan 2025 – Feb 2025	**Mushroom Classification** — **Machine Learning** Developed a machine learning model in Python to classify edible vs. poisonous mushrooms using features like odor and gill color. Achieved 99% accuracy with a Decision Tree classifier, demonstrating strong skills in data analysis, feature engineering, and model training.
Jan 2025 – Jan 2025	**Library Management** — **Python Project** Developed a Python-based Library Management System with a user-friendly GUI to handle adding, borrowing, and returning books. Integrated email database functionality to track user transactions and generate real-time listings of available books.

COURSES & CERTIFICATES

Jun 2025 – Jun 2025	**Microsoft Power BI** — Infosys Springboard
Jun 2025	**FinQuest —** Department of Finance Studies, University of Delhi
Jun 2025	**Central India Hackathon 2.0** — Unstop
Aug 2023 – Jan 2025	**Full Stack Data Science Pro** — PW Skills
Oct 2024	**Codemathon 202**4 — Department of Mathematics, NIT Kurukshetra
Feb 2024 – Feb 2024	**Python Stack —** Great Learning
Oct 2023 – Oct 2023	**Python for Data Science** — Udemy
May 2023	**Learn Python & Machine Learning** — Microsoft Learn Student Ambassador, Google Developer Student Clubs
Mar 2023	**Cloud Technical Series** — Google

ACHIEVEMENTS

- Finalist, Central India Hackathon 2.0
- Honours in B.Sc.
- Winner, Hourly Problem (Sandhnaam 2025)
- Runner-Up, Overnight Problem (Sandhnaam 2025)
- Winner, MiniHackathon 2024

EXTRA-CURRICULAR ACTIVITIES

- Poster Making Competition Winner – National Mathematics Day
- Active participant in coding competitions and hackathons
- Calligraphy Competition Winner – APS Session 2021-22
- National Reading (English) – APS Session 2021-22

HOBBIES

- Listening to music, playing football, traveling, exploring new technology