**Praveen Tak**

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[GitHub](https://github.com/TAK-PRAVEEN) | [LinkedIn](http://www.linkedin.com/in/praveentak)

**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 84.50% of College Science & Technology, Jodhpur**

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**](https://mushrooms-classification-w915.onrender.com/) **— 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**](https://github.com/TAK-PRAVEEN/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