**Harshita Pande**

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**Objective**

Aspiring Data Scientist with a strong foundation in machine learning, deep learning, and data analysis. Passionate about leveraging advanced algorithms and models to extract valuable insights from complex datasets. Experienced in building predictive models, working with real-time data, and applying cutting-edge AI techniques to solve challenging problems. Seeking an opportunity to apply my skills in machine learning, data processing, and model development to contribute to innovative projects and impactful solutions.

**Skills**

**Technical Skills:**

* **Programming Languages & Tools:** Python (Pandas, NumPy, Matplotlib, Seaborn), SQL, Excel, Power BI, Tableau
* **Machine Learning & AI:** Scikit-learn, Regression (Linear, Logistic), Clustering (K-Means, DBSCAN), Classification (Decision Trees, Random Forest, SVM)
* **Data Analysis & Visualization:** Data Cleaning, Exploratory Data Analysis (EDA), Data Visualization, Statistical Analysis
* **Development & Deployment Tools:** Jupyter Notebook, VS Code, Git, Google Colab
* **Database Management:** SQL, Data Querying, Data Warehousing

**Soft Skills:**

* Analytical Thinking, Critical Thinking, Problem Solving
* Time Management, Attention to Detail
* Team Collaboration, Communication, Adaptability

**Education**

**B.Tech in Artificial Intelligence and Data Science**  
Chouksey Engineering College – Bilaspur, CG  
Aug 2023 – Present | CGPA: 8.4

Relevant Coursework: Data Structures & Algorithms, Machine Learning, Deep Learning, Data Visualization, Database Management Systems (DBMS), Statistical Analysis, Predictive Analytics, Natural Language Processing (NLP), Big Data Analytics

**Projects**

**1. AI Medical Bot – Multimodal Virtual Healthcare Assistant** *(April 2025)* [*Project Link*](https://github.com/ER-Harshita-15/AI_MEDICAL_BOT)

* **Tools & Technologies**: Python, Whisper, Groq API, ElevenLabs, gTTS, Gradio, Multimodal LLMs.

**2.** **Car Number Plate Detection – Computer Vision Project** *(Jan 2025)* [*Project link*](https://github.com/ER-Harshita-15/CarNumberPlate_Detection)

* **Tools & Technologies**: Python, OpenCV, Tesseract OCR, Machine Learning, TensorFlow

**3. Sports Video Analysis – Computer Vision Project** *(Dec 2024)*  [*Project link*](https://github.com/ER-Harshita-15/Sports_Video_Analysis)

* **Tools & Technologies** : Python, RCNN , Object Detection

**4. Eye Controlled Mouse – Computer Vision Project** *(Nov 2024)* [*Project link*](https://github.com/ER-Harshita-15/Eye_controlled_MouseCursor)

* **Tools and Technologies:** Media pipe, Open-Cv, PyAutoGUI

**Certifications**

* **IBM Data Science Professional Certificate** – IBM (Coursera)
* **Python for Data Science and Machine Learning** Bootcamp – Udemy

**Achievements**

* **4th Rank** – AlgoVision Data Analytics, IIT Roorkee (2025)
* **1st Rank** – Traffic Week ‘Sanghosti’(Inter-college Convocation Competition)

**Activities**

* Anchoring college events – Improved communication and presentation skills.
* Member, College Data Science Club
* Member, College DIV Foundation