

JYOTI RANA

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PROFESSIONAL SUMMARY

A motivated B.Tech student in Artificial Intelligence & Data Science, adaptable to dynamic environments and capable of handling pressure effectively. Keen learner with a strong interest in AI, problem-solving, and dedicated to personal and professional growth.

EDUCATION

YEAR	SCHOOL/COLLEGE NAME	BOARD/ UNIVERSITY	PERCENTAGE
2026	Dr. Akhilesh Das Gupta Institute of Professional Studies, Shastri Park, Delhi	GGSIU	Pursuing
2022	National Victor Public School, Patparganj, I.P. Extension, Delhi	CBSE	87.2%
2020	National Victor Public School, Maujpur, Delhi	CBSE	91.2%

SKILLS

- Programming Languages:** Python, C, Java, HTML, CSS, SQL
- Machine Learning Frameworks:** TensorFlow, Keras, Scikit-learn, OpenCV
- Data Science Tools:** Pandas, NumPy, Matplotlib, Excel, PowerBI
- Development Tools:** Visual Studio Code, Jupyter Notebook, Google Colab
- Version Control & Collaboration:** Git, GitHub

WORKING EXPERIENCE

- Python Programming Trainee & Intern**, Vault of Codes Sep 2024 - Oct 2024
- Completed training and internship focused on Python programming, contributing to various projects and enhancing coding skills. Engaged in real-world applications of Python.

PROJECTS

- Image to Pencil Sketch Converter** Feb 2024 - Apr 2024
- Designed a GUI application that transforms photographs into sketch-like images using computer vision techniques.
 - Technologies Used:** Python, Kivy, OpenCV.
- Foodie Forecast: A Restaurant Recommendation System** Aug 2024
- Led data pre-processing and machine learning model implementation for predictive analytics.
 - Technologies Used:** Python, Pandas, Numpy, Scikit-learn.
- Medical-Insurance-Price-prediction** Feb 2025
- Performed data preprocessing and trained machine learning models for insurance cost prediction.
 - Technologies Used:** Python, Pandas, NumPy, Scikit-learn
- E-Commerce Sales Dashboard** July 2025
- A visual report that tracks key metrics like total sales, top-selling products, revenue by region, and customer trends to help monitor and optimize e-commerce performance.
 - Tools/Platform Used:** Power BI for data visualization and dashboard creation.

CERTIFICATION

- Completed **"Data Analytics with Python"** course from NPTEL (National Programme on Technology Enhanced Learning). May 2024
- Presented research paper titled **"Image to Pencil Recognition using Machine Learning Techniques & Open CV"** in National Conference NCBISF-24 organized by Dr. Akhilesh Das Gupta Institute of Professional Studies. May 2024
- Completed IBM summer training, explored Machine Learning, Deep Learning, Gen AI, and IBM Watson. Aug 2024
- Published a research paper titled **"Enhancing Cybersecurity Threat Detection Using Deep Learning Algorithms on Big Data"** IJPREMS Journal. Nov 2024
- Completed **"Business analytics and data mining Modeling using R"** course from NPTEL (National Programme on Technology Enhanced Learning) **Ranked in top 1%.** May 2025

EXTRA CURRICULAR ACTIVITIES

- Coordinated the "Code Breaker Challenge" tech event organized by the Artificial Intelligence and Data Science Department at Dr. Akhilesh Das Gupta Institute of Professional Studies during Utkarsh'24. *Mar 2024*
- Organized the "TechQuest: Decode & Dominate" tech event under the Artificial Intelligence and Data Science Department at Dr. Akhilesh Das Gupta Institute of Professional Studies during Technoutsav'24. *Oct 2024*
- Coordinated the " Mind Exchange: Speak to Succeed!" Group Discussion event under the Artificial Intelligence and Data Science Department at Dr. Akhilesh Das Gupta Institute of Professional Studies during Technoutsav'24. *Oct 2024*
- Coordinated the "Bingo Cultural Trivia" event under National Service Scheme at Dr. Akhilesh Das Gupta Institute of Professional Studies during Utkarsh'25 . *Feb 2025*
- Volunteered at Khelo India Para Games 2025, leading roles in media, catering & opening and closing ceremonies under Upasna Thakur & Gaurav Khanna. *May 2025*