

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	GGSIPU	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, JavaScript, 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.

Renu Sharma Foundation – Data Science Intern, Remote

May 2025 – Present

- Developed ATS Resume Checker and AIMock Interviewer, handling frontend & backend and implementing AI-driven features and managed dashboards and real-time feedback systems to enhance usability and performance collaboratively.

Solid State Physics Laboratory, Defence Research and Development Organisation – Intern

July 2025 – Aug 2025

- Developed **University Smart Portal**, a role-based web app for students, faculty, and HODs using **PHP, MySQL, HTML, CSS, JS** that streamlined academic and administrative workflows with automated verification and skill tracking modules.

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.

University Smart Portal

July 2025- Aug 2025

- Developed a role-based web application for students, faculty, and HODs to streamline academic & administrative workflows, including attendance tracking, course management, and automated verification.
- Technologies Used:** PHP, MySQL, HTML, CSS, JavaScript.

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*