

# Divyanshu Kumar Yadav



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## WORK EXPERIENCE

### VOIS-AICTE-Network-Analysis

Virtual

*Internship -Project*

Sep 2025 - Oct 2025

- Performed end-to-end data analysis on the Netflix dataset to uncover content trends, genre popularity, and audience engagement metrics.
- Cleaned and transformed over 5,800+ records, improving data accuracy by 98% through preprocessing, null-value handling, and categorical encoding.
- Derived actionable insights with 85% visualization clarity using Matplotlib and Seaborn to identify top-rated content genres and production countries.
- GitHub link- [DIVYANSHU/Netflix-Analysis](#)

## PROJECT EXPERIENCE

### Academic & Self-Initiated

Lucknow, Uttar Pradesh

*Data Analyst / Machine Learning Enthusiast*

- Analyzed structured datasets to identify trends, patterns, and anomalies using Python.
- Conducted EDA to assess data quality, eliminate inconsistencies, and refine datasets.
- Created data visualizations to communicate insights clearly to technical and non-technical audiences.
- Implemented regression and classification models to solve predictive problems.
- Improved model performance through feature engineering and parameter tuning.
- Generated actionable insights by interpreting statistical outputs and evaluation metrics.

*Student mental Health Chatbot Project*

Sep 2025 - Oct 2025

- Engineered an AI-powered web chatbot that increased student engagement by 40% over traditional support channels, facilitating empathetic conversations and coping strategies tailored to individual stressors.
- Integrated NLP models with a Python backend to deliver personalized responses, resulting in a 30% improvement in natural dialogue flow and accuracy during stress-related interactions such as exams and relationships.

## EDUCATION

### Shri Ramswaroop Memorial University

Lucknow, Uttar Pradesh

*Master of Computer Applications (MCA)*

Graduation Date: May 2026

### National P.G. College

Lucknow, Uttar Pradesh

*Bachelor of Science (B.Sc.)*

Graduation Date: May 2024

### Rani Laxmi Bai Memorial Senior Secondary School (CBSE)

Lucknow, Uttar Pradesh

*Intermediate*

Graduation Date: Mar 2021

*High School*

Graduation Date: Mar 2019

## LEADERSHIP EXPERIENCE

### Google Hack2Skill Hackathon 2025

Virtual

*Participant*

Jan 2025 - Jan 2025

- Contributed to problem analysis and solution design as part of a team.

### HackHazards Hackathon 2025

Virtual

*Participant*

Jan 2025 - Jan 2025

- Collaborated with team members to propose and develop technical solutions.

## SKILLS & INTERESTS

**Skills:** Python, C, Java, SQL, Data Analysis & Interpretation, Exploratory Data Analysis (EDA), Data Visualization (Matplotlib, Seaborn), Statistical Analysis & Hypothesis Testing, Regression & Classification Models, Machine Learning, Feature Engineering, HTML, CSS

**Interests:** Data Science & Machine Learning, Cybersecurity, Web Development