

# Harsh Gupta

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## EDUCATION

### Invertis University, Bareilly

Bachelor of Technology in Computer Science and Engineering

Bareilly, Uttar Pradesh

Graduation Date: Jun 2026

## WORK EXPERIENCE

### Kaggle [\[Profile Link\]](#)

Remote

Notebooks Master

Dec 2025 - Present

- Global Rank (Top 0.3%): Competed against a worldwide group of over 54,000 data scientists and consistently produced impactful analysis and code. Achieved the "Master" tier with a global rank of 165.
- Technical Documentation: Created over 30 notebooks that include an in-depth explanation of Exploratory Data Analysis (EDA) and Model Stacking to received 11 silver medals from the community for clarity, quality of visualization, and educational value provided within those notebooks.

### RD INFRO Technology

Remote

Machine Learning Intern

Jan 2025 - Mar 2025

- Created a Credit Card Fraud Detection model that can detect anomalies in financial transaction activities. SMOTE methods were used to fix class imbalances thus improving precision on fraud detection.
- Built a Bank Customer Churn Prediction Engine using Machine Learning to identify areas of risk for customer attrition, and derived the most significant behavioral characteristics that drive retention.

## PROJECT EXPERIENCE

### Kaggle Community Hackathon [\[Project Link\]](#)

Remote

LifeSync Assistant - Multi-Agent GenAI System

Nov 2025 - Dec 2025

- Designed a Multi-Agent System using Google ADK and Gemini 2.5 Flash, orchestrating specialized agents for autonomous task automation.
- Implemented custom tools using Python decorators and memory services to enable real-time decision-making and workflow optimization

### Playground Prediction Competition [\[Project Link\]](#)

Remote

Personality Prediction Simplified

Jul 2025 - Aug 2025

- Engineered a Support Vector Classifier (SVC) to classify personality traits, achieving 87% accuracy and 0.88 precision via hyperparameter tuning.
- Visualized decision boundaries and optimized feature scaling, securing a Kaggle Silver Medal for technical analysis and code quality.
- Analyzed complex datasets to develop innovative personality prediction models, achieving a top 620 ranking out of 4,329 participants and demonstrating advanced analytical proficiency.

### Invertis University [\[Project Link\]](#)

Bareilly

Chest X-Ray Pneumonia Detection

Mar 2025 - May 2025

- Trained a Convolutional Neural Network (CNN) on 90,000+ medical images to detect pneumonia with 89% accuracy on the test set.
- Developed a scalable data pipeline and deployed the model as a Flask API to serve real-time diagnostic predictions.

## SKILLS

Languages: Python, SQL, C++

Machine Learning : Scikit-learn, PyTorch, XGBoost, Random Forest, Pandas, NumPy, K-means

Data Engineering & Cloud : AWS (Lambda, Athena, SageMaker), ETL Pipelines, Flask, Docker

**Visualization & Statistics** : Tableau, PowerBI, Matplotlib, Seaborn, Plotly, Hypothesis testing, Microsoft Excel, Google sheets

## ACHIEVEMENTS

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**Top-Ranked Kaggle Contributor:** : Achieved Notebooks Expert status (global rank 165 out of 54,000+) and secured a Top 7% finish (rank 307 out of 4,381) in the "Binary Prediction with Rainfall Dataset" competition, showcasing advanced ML modeling and data analysis skills.

**Algorithmic Problem-Solving:** : Solved over 250 Data Structures and Algorithms problems on LeetCode using C++, demonstrating strong proficiency in efficient coding, time/space complexity analysis, and optimization.

**Deloitte Data Analytics Simulation:** : Completed a virtual job simulation focused on forensic technology, where performed data classification and developed a comprehensive business insights dashboard using Tableau.

**British Airways Data Science Job Simulation** :

- Completed a simulation focussing on how data science is a critical component of British Airways' success and scraped and analysed customer review data to uncover findings to build a predictive model to understand factors that influence buying behaviour.

## CERTIFICATION

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Data Science - Indian Institute of Placement with Symposium **IIT Mumbai** [{certificate link}](#).

Python - Indian Institute of Placement with Symposium **IIT Mumbai** [{certificate link}](#).

Machine learning - Kaggle [{certificate link}](#).

SQL - HackerRank [{certificate link}](#).

Git and GitHub - 365DataScience [{certificate link}](#).

AI Model deployment on AWS - 365DataScience [{certificate link}](#).