RAHUL GUPTA

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EDUCATION

Master of Computer Application (MCA) **2024 - 2026**
Lovely Professional University (LPU)
Bachelors in Computer Application (BCA) **2021 - 2024**
Sunder Deep College Of Management & Technology (CCSU)
Class 12th **2021**
Ram Kishan Institute (CBSE) Percentage: 62
Class 10th **2019**
Ram Kishan Institute (CBSE) Percentage: 62

SKILLS

Programming Languages: Python, JavaScript
AI and ML: Pandas, Numpy, Scikit-learn, Matplotlib, Seaborn, Ms-Excel, Power BI, SQL
Development & Frameworks: Flask, Django, HTML, CSS
Technical Competencies: Data Structures and Algorithms, Data Analysis, Statistical Analysis, Data Visualization, Critical Thinking, Problem Solving
Software Development Tools: VS Code, Git, GitHub, Google Collab, Jupyter
Soft Skills: Collaboration, Adaptability, Problem-solving, Time management

PROJECTS

Laptop Price Predictor: ⚙ ↗
- Tech Used: **Python, Flask, HTML, CSS, Pandas, Numpy, Matplotlib, Seaborn, Scikit-Learn, r2 score, Pickle**
- Built a predictive model for laptop pricing using machine learning, leveraging features such as brand, processor type, RAM, and storage, with optimized data preprocessing and feature transformation.
- Secured an R² score of 85% by implementing advanced hyperparameter optimization and evaluating algorithms like Linear Regression, Random Forest, and Gradient Boosting..

Car Price Prediction: ⚙ ↗
- Tech Used: **Python, Flask, HTML, CSS, Pandas, NumPy, Scikit-learn, pickle**
- Developed a machine learning model to estimate car prices using attributes such as brand, manufacturing year, mileage, and fuel type, with advanced data preprocessing and feature engineering.
- Attained 90% accuracy and implemented the model as a Flask-based web application, demonstrating proficiency in regression analysis and model deployment.

Rock VS Mine Prediction: ⚙ ↗
- Tech Used: **Python, Pandas, NumPy, Scikit-learn, Logistic Regession**
- Developed a machine learning model to classify sonar signals as rocks or mines, leveraging algorithms like Logistic Regression, SVM, and Random Forest with data preprocessing and hyperparameter tuning.
- Achieved 79% accuracy on the test set, demonstrating strong proficiency in feature engineering, model evaluation, and optimization using Python and Scikit-learn.

CERTIFICATION

- **Python Certificate - Hackerrank.**
- **SQL Certificate - Hackerrank.**
- **SQL and Relational Database - Cognitive Class.**
- **Data Visualization with Python - Cognitive Class.**
- **Data Analysis with Python - Cognitive Class.**
- **Machine Learning with Python - Cognitive Class.**

ACHIEVEMENT

- Achieved **4 stars** in Python on **HackerRank** with 2 skills verified (Python and Problem Solving).
- Selected for **Class Representative(CR)** position in 2 year (3rd Semester) with majority votes.