PRATEEK GUPTA

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EDUCATION

Institute of Engineering & Technology, DAVV, Indore
Bachelor of Engineering (Information Technology) – CGPA: **7.80** 2020-2024

Delhi Public School
12th CBSE Board – Result: **86%** 10th CBSE Board – Result: **10 CGPA**

EXPERIENCE / INTERNSHIP

Data Science Intern | Afame Technologies April 2024-May 2024
- Engaging in continuous learning and exploration of various facets of Data Science, while striving to solidify fundamental concepts through hands-on project experience.

Martian Summer Internship Program | Persistent Systems July 2023-Aug 2023
- Completed internship program with great learning of different computer fundamental subjects.

COURSEWORK / SKILLS

Data Structure & Algorithm	Database Management System	Machine Learning
OOPs Concept	Operating System	Computer Network

TECHNICAL SKILLS

Programming Language:	C++, Python, SQL
Machine Learning / Deep Learning/ Data Science:	Supervised learning algos, Unsupervised learning algos, ANN, CNN, NLP(Basics), EDA, Feature Engineering, Data Visualization
Mathematical Tools:	Statistics, Probability, Statistical Analysis
Databases:	MySQL, SQLite, PostgreSQL
Web Technologies:	HTML, Django (Python)
Python Packages & Frameworks:	NumPy, Pandas, Matplotlib, Scikit-learn, TensorFlow, Keras, Gensim, NLTK

PROJECT / OPEN-SOURCE

Heart Disease Prediction using Machine Learning Models | Python, Scikit-learn | **Link**
- Developed a Heart Disease Prediction model using various machine learning techniques to predict heart disease severity based on the 13 attributes from the UCI repository dataset.
- Implemented thorough data preprocessing, feature selection and model training using algorithms like Logistic Regression, KNN, Random Forest, Naïve Bayes, SVM.
- Demonstrated strong analytical skills through exploratory data analysis, visualizations, and accurate model evaluations.

Business Transaction Fraud Detection | Python | **Link**
- Built anomaly detection models for fraud prediction in a large financial dataset.
- Attained 99.82% accuracy using Isolation Forest, outperforming Local Outlier Factor.
- Suggested methods for enhancing detection rates, like increasing sample size and exploring deep learning algorithms.

Churn Modelling using Deep Learning (ANN) | Python **| Link**
- Developed an accurate and efficient churn prediction model using deep learning techniques (ANN). This involved analyzing historical customer data to identify patterns and factors contributing to churn.
- Performed feature engineering to extract meaningful insights from the available data.
- Fine-tuned hyperparameters to enhance model accuracy and prevent overfitting.

CERTIFICATIONS / ACHIEVEMENTS

- Participated in Codespire Coding Challenge and secured 7th rank among 200 candidates.
- Attained Expert (Level-7) on Code360 and 5-star badge on HackerRank in problem solving & C++.