

TARANG VERMA

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EDUCATION

Noida Institute of Engineering & Technology (NIET)	GR. Noida, U.P.
Bachelor of Technology, CSE in Artificial Intelligence	Oct 2022 - July 2026
Arsh Public School	Ghazipur, U.P.
Intermediate; PCM with 64%	July 2021 - July 2022
Vidya Public School	Ghazipur, U.P.
High School; Science with 77%	July 2019 - July 2020

SKILLS SUMMARY

- Languages: Python, SQL, JAVA, HTML, CSS, JavaScript
- Frameworks: Pandas, NumPy, Scikit-Learn, Matplotlib
- Tools: Excel, PowerPoint, MySQL
- Platforms: Python, Jupyter Notebook, Visual Studio Code, IntelliJ IDEA
- Soft Skills: Excellent communication, Teamwork, Problem-solving

WORK EXPERIENCE

IBM SkillsBuild Intern Edunet Foundation LINK	June 2024 - July 2024
<ul style="list-style-type: none">○ Worked at Edunet Foundation with AICTE from June 5th to July 2nd, 2024, focusing on AI and Cloud technologies.○ Engaged in AI, Data Analytics, Chatbot Development, and Cloud Computing using SkillsBuild & IBM Cloud Platform.○ Developed a "House Price Prediction" model using Gradient Boosting Regressor, achieving a real-time prediction system with plans for future improvements.	

PROJECTS

House Price Prediction LINK	June 2024 - July 2024
<ul style="list-style-type: none">○ Project aims to determine optimal house prices using data analytics and machine learning.○ Development process involves data collection, preprocessing, and applying machine learning algorithms like Gradient Boosting Regressor.○ Evaluation metric uses Mean Absolute Percentage Error (MAPE) to measure model accuracy.○ Achieved real-time predictions with Gradient Boosting Regressor; plans to enhance by adding data sources, optimizing algorithms, and expanding coverage.	
Data Cleaning, Transforming, and Preparing for AI Model Training LINK	May 2024 - June 2024
<ul style="list-style-type: none">○ Data preparation involves cleaning and transforming the Titanic dataset, including handling missing values, simplifying the 'Name' column, and dropping irrelevant features like 'PassengerId' and 'Ticket'.○ Feature engineering created a new 'FamilySize' feature, encoded categorical variables, and scaled numerical features.○ Data handling missing values are filled with median or mode, and the 'Cabin' column is marked as 'Unknown'.○ Model readiness data is split into training and testing sets, making it ready for AI model training to predict survival outcomes.	
Model Evaluation and Comparison LINK	May 2024 - June 2024
<ul style="list-style-type: none">○ Model comparison evaluates and compares various AI models (Logistic Regression, Decision Tree, Random Forest, SVM, Neural Network) using the Iris dataset.○ For data processing the dataset is split into training and testing sets, and features are standardized.○ For performance metrics, models are assessed based on accuracy, precision, recall, F1 score, and ROC AUC score.○ For results visualization, evaluation results are compiled into a DataFrame and visualized with bar plots to identify the most effective model.	

CERTIFICATES

Python basics (Coursera) LINK	Jan 2023
Introduction to Artificial Intelligence (Coursera) LINK	Jan 2023
Python for Data Science, AI & Development (Coursera) LINK	Apr 2023
Java Programming Fundamentals (Infosys Springboard) LINK	Apr 2024