VANDANA KUMARI

Phagwara, Punjab, India (144001)
+918873797917 vandanapriydarshi2222@gmail.com Linkedin Github Hackerrank Leetcode

Education

2021 – 2025
B. Tech. Honour's in ***Computer Science and Engineering*** *(CGPA 6.9)* — *Phagwara, Punjab*

2018 – 2020
Intermediate in ***Science*** *(CGPA 7)* — *Motihari, Punjab*

2017 – 2018
Marticulation (CGPA 7) — *Bikramganj, Bihar*

Experience/Training

Data Analytics and Visualization — **Apr - 2024**
Accenture : Social buzz Project — *Remote*
- Deployed a real-time Gradio interface to predict customer spending via user inputs.
- Identified performance gaps and proposed strategies, influencing hypothetical client's content roadmap.
- Delivered insights through a client-ready PowerPoint deck and stakeholder-facing video presentation.

Data Structures and Algorithms - Self Paced — **Jun - Jul 2023**
GeeksforGeeks — *Remote*
- Mastered core concepts: arrays, trees, graphs, and heaps; improved problem-solving speed by 20.
- Applied OOPs, time and space complexity analysis to solve 300+ coding problems.
- Developed a habit of writing optimized and scalable code under test conditions.

Selected Projects

Women Safety And Risk Prediction System | *Domain : Data Science* | *Python, Scikit-learn, XGBoost, Streamlit, Pandas*
- Simulated and analyzed 5K+ women safety incident records to derive insights on crime hotspots, time patterns, and area risk levels.
- Built an XGBoost classifier to predict high-risk areas for incidents within the next 24 hours.
- Performed EDA and visualizations using Matplotlib and Seaborn to identify trends by area, crime type, and time.
- Developed an interactive Streamlit dashboard for real-time risk prediction based on user inputs.
- Implemented feature engineering and preprocessing pipelines for numerical and categorical variables to improve model performance.

customer segmentation Analysis | *Domain : Data Science* | *Python, Scikit-learn, Gradio, Colab*
- Cleaned and analyzed 10K+ customer records to derive behavior insights based on demographics.
- Built a K-Means clustering model to segment customers into 4 groups using Elbow Method.
- Developed a Decision Tree Regressor achieving 85percent R^2 score; visualized feature importance using Random Forest.
- Deployed the prediction model via a Gradio web interface for real-time user input and spending predictions.
- Deployed a real-time Gradio interface to predict customer spending via user inputs.

Technical Skills

Language: Python, Java, SQL
Data Science: Excel, PowerBI, Tableau, Hadoop, Pyspark, Kafka
Frameworks: HTML5, CSS, BootStrap, Tailwind Mongodb.
Others: Git, GitHub, AWS

Certifications

Oracle Cloud Infrastructure Data Science Professional : | *Oracle*
SQL (Advanced) | *HackerRank*
Problem Solving(intermediate) | *HackerRank*
Complete Data Science BootCamp | *Udemy*

Research Papers/Patent

A Secure and Scalable Online Voting System Using Blockchain and AI — **Feb 2025**

· Presented at ICASET-2025 (3rd International Conference on Advances in Science, Engineering and Technology), Chennai.

Hobbies

Music Instrument playing, Chess, .

Language

English(Professional Working Proficiency), Hindi (Native/Bilingual Proficiency).