

Akriti Sharma

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Professional Experience

Summer Training on Data Structures and Algorithms in C++ (CipherSchools)

- Completed a 6-week training on DSA using C++, covering arrays, linked lists, trees, and graph algorithms.
- Developed projects like a To-Do List application and a Random Number Guesser, gaining hands-on experience.
- Strengthened problem-solving skills by collaborating on assignments and live sessions.
- Worked on optimizing algorithms to improve execution time and efficiency.

Projects

Credit Card Fraud Detection

[\(Project Link\)](#)

- Built a fraud detection model using Python and Scikit-learn, achieving 98.7% AUC-ROC.
- Handled severe class imbalance (492 frauds in 284,807 transactions) using SMOTE.
- Improved recall from 72% to 94% with Logistic Regression, Random Forest, and XGBoost, maintaining 91% precision.
- Deployed real-time predictions via Flask with sub-200ms inference time.

Layoffs Dashboard

[\(Project Link\)](#)

- Created an interactive Tableau dashboard to visualize 435,677 tech layoffs (2020–2024).
- Added filters for year, country, and industry to enable dynamic exploration.
- Tracked 23% average workforce reduction and major company layoffs (Amazon: 27K, Meta: 21K, Microsoft: 15K).
- Analyzed macroeconomic factors like revenue shifts and hiring freezes driving layoffs.

Certifications

- Cloud Computing (NPTEL - Elite) [\[Link\]](#)
- Gen AI for Everyone (Fractal Analysis)
- Supervised Machine Learning: Regression and Classification
- Data Analysis with Tableau(Coursera)

Skills

Programming: Python, C++, Java, R, SQL

Data Analysis: Pandas, NumPy, Seaborn, Matplotlib

Machine Learning: Scikit-learn, TensorFlow, Keras, XGBoost

Tools: MS Excel, Tableau, Power BI, Google Cloud

Soft Skills: Adaptability, Teamwork, Leadership, Problem-Solving

Education

Lovely Professional University, B.Tech in Computer Science

Sept 2022 – May 2026

- CGPA: 7.56/10

Govt. Senior Secondary School, Himachal Pradesh

May 2022

- Grade: A+

Mata Satyawati Sen. Sec. School, Himachal Pradesh

Apr 2020

- Grade: A+