SHASHI KUMAR

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Education

Lamrin Tech Skills University Ropar, Punjab
B.Tech in Computer Science – AI & ML CGPA: 8.5/10 *2023 – 2027*

Senior Secondary High School
12th (Science) *70%* *2023*

Experience

AI & ML Intern Feb 2026 – Mar 2026
Elevate Labs *Remote– India*

- Developed a supervised classification system using Decision Tree and Random Forest models to predict heart disease risk.
- Identified and eliminated 723 duplicate records causing data leakage, improving model reliability and generalization.
- Applied hyperparameter tuning and 5-fold cross-validation to control overfitting and optimize performance.
- Performed feature importance analysis to interpret key clinical indicators influencing predictions.

Artificial Intelligence Intern Feb 2026 – Mar 2026
Codec Technologies *Hybrid – India*

- Developed a Handwritten Digit Recognition system using Convolutional Neural Networks (CNN) trained on the MNIST dataset.
- Designed and trained a deep learning model capable of analyzing and predicting multiple handwritten digits from image inputs with high classification accuracy.
- Implemented image preprocessing the techniques including normalization and reshaping to improve model performance.
- Evaluated model performance using accuracy metrics and optimized training through parameter tuning.

Artificial Intelligence Intern Feb 2026 – Mar 2026
Codec Technologies *Hybrid – India*

- Built a customer service chatbot using rule-based logic and basic NLP techniques to automate responses for common user queries.
- Applied natural language preprocessing methods such as tokenization and keyword extraction to classify user intent.
- Designed structured conversational flows to simulate real-time customer interaction and reduce manual support dependency.
- Improved chatbot response reliability through iterative testing and refinement of intent matching rules.

Projects

Credit Scoring & Risk Assessment (IBM Project) | *Python, Scikit-learn, Pandas* June 2024

- Built a Machine Learning model to evaluate customer creditworthiness using supervised learning algorithms.
- Performed data preprocessing and compared models like Logistic Regression and Random Forest to improve prediction accuracy.

Breast Cancer Classification using Logistic Regression | *Python, Scikit-learn, Pandas, Matplotlib* Feb 2025

- Built a binary classifier on the Breast Cancer Wisconsin dataset using Logistic Regression, achieving 96% accuracy and 0.96 ROC-AUC score.
- Performed preprocessing, feature scaling, threshold tuning, and evaluated performance using Confusion Matrix, Precision, Recall, and ROC Curve.

Technical Skills

Languages: Java, Python,C++, Front End
Frameworks: React, Node.js, Flask, WordPress, FastAPI
Developer Tools: Git, Docker, Google Cloud Platform VS Code, Visual Studio, PyCharm,
Libraries: pandas, NumPy, Matplotlib, Sciket learn, Power bi, Data Visualization