Nishant Luhera

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Portfolio: nishantkluhera.github.io/

Education

B.Tech Computer Science and Engineering (CSE) Expected - 2026
BML Munjal University - Currently 2nd Year *Gurgaon, Haryana*

- **Relevant Coursework:** OOPs and DSA (C++), Maths, Data Science, DBMS, OS

Machine Learning Specialization Dec'23- Jan'24
DeepLearning.AI and Stanford Online *Coursera.org*

- **Relevant Coursework:** Linear Regression, Regularization, Logistic Regression, Gradient Descent, Supervised Learning, Tensorflow, Model Development, ANN, Xgboost, Tree Ensembles, Anomaly Detection, Unsupervised Learning, Reinforcement Learning, Recommender Systems

Skills

Languages: Python, C, C++, Java, R, HTML-CSS, JavaScript, SQL
Technologies: Tensorflow, PyTorch, Git and Github, Android SDK & Studio, Linux(Debian & RedHat), MongoDB, MySQL, Docker, Latex, MERN Stack
Concepts: OOPs, Data Structures, Algorithms, Operating System, Version Control, Machine Learning, Neural Networks, Artificial Intelligence
Soft Skills: Time Management, Teamwork, Technical Presentation & Reports, Problem Solving, Communication

Projects

Music Genre Claasification & Recommendation | *Python, Tensorflow, CNN, Streamlit*

- Led the creation of a TensorFlow-based CNN achieving over 85% accuracy on diverse music genres.
- Engineered a system for tailored music recommendations, enhancing user engagement.
- Created an intuitive Streamlit app allowing users to classify music genres and receive personalized recommendations.

Terminal based Expense & Personal Tasks Manager | *Java, SQL*

- Led the creation of the Java project with SQL integration for managing expenses and personal tasks efficiently.
- Designed a user-friendly CLI enabling seamless interaction with the expense tracking and task management functionalities.
- Utilized SQL for back-end data storage, ensuring secure and persistent management of expenses and personal tasks.

Student Record Management System | *C++*

- Designed an intuitive user interface to facilitate seamless interaction with the student record management functionalities.
- Developed a comprehensive system for managing student records using C++ for efficient data handling.

ML-based Waste Segregating Dustbin | *Python, Tensorflow*

- Spearheaded the creation of a Python project utilizing TensorFlow for machine learning to segregate waste efficiently.
- Engineered a robust model using TensorFlow, enhancing the dustbin's ability to classify and segregate different types of waste with above 90% accuracy
- Integrated machine learning techniques into the dustbin, promoting effective waste segregation for improved environmental sustainability.

AI-ML based intelligent de-smoking/de-hazing algorithm | *Python, PyTorch*

- Showcased in SIH and selected by college in an internal hackathon.