| Laxman Malviya  **Software Developer** | +91-8619757556  [**laxmanmalviya970@gmail.com**](mailto:laxmanmalviya970@gmail.com)  [**linkedIn**](http://linkedin.com/in/laxman-malviya-7852a7155) |
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| EXPERIENCEPT Communication Systems Pvt Ltd, Greater Noida — Software DeveloperFeb 2024 - PRESENT **Responsibility**   * Design machine learning systems * Research and implement appropriate ML algorithms and tools * Select appropriate datasets and data representation methods * Run machine learning tests and experiments * Perform statistical analysis and fine-tuning using test results * Train and retrain systems when necessary * Extend existing ML libraries and frameworks  Videolytical Systems Pvt Ltd, Noida — *Python developer*June 2022 - Feb 2024 Responsibility   * Design and develop high-quality code for desktop applications. * Test, debug, analyze, and resolve application problems and issues. * Perform data manipulation and transformation tasks using SQL scripts. * Debug and troubleshoot software problems to ensure optimal performance and functionality.  EDUCATIONNational Institute of Technology, Agartala — *Mtech*2020 - 2022College of Engineering and Technology, Bikaner — *Btech*2015 - 2019PROJECTSRemotely Access and Manage Toradex Modules **Environment/Technology**  Python, PyQt5, Django,Html, CSS,Sqlite3  **Description**  This project is designed to remotely access and manage Toradex modules using Python, PyQt5, socket connections, and SSH. The primary goals include remotely accessing the module's console, sending files for updates, and deploying new versions. The project is divided into two main parts: the UI and the web interface. Real-Time Monitoring System for Locomotive Pilots **Environment/Technology**  Python, PyQt5, TensorFlow,TensorFlowlite, OpenCV, PostgreSQL  **Description**  This project is a real-time monitoring system designed to enhance the safety of locomotive operations by continuously detecting the alertness and behavior of the pilot.The system is capable of identifying signs of drowsiness as well as unsafe behaviors like phone usage, wearing headphones, yawning, and smoking. The system alerts the operator or relevant authorities when such behaviors are detected, providing a proactive solution to prevent potential accidents. Face Recognition System (FRS) **Environment/Technology**  Python, PyQt5, TensorFlow, Facenet, OpenCV, PostgreSQL  **Description**  A facial recognition system is a technology that uses algorithms to analyze and identify human faces in digital images or video frames. It is designed to capture and analyze various facial features, such as the distance between the eyes, the shape of the nose, and the contours of the face. This system can then compare these features against a database of known faces to determine the identity of an individual. Automatic Number Plate Recognition (ANPR) **Environment/Technology**  Python, PyQt5, TensorFlow, YOLO5, OpenCV, PostgreSQL  **Description**  ANPR stands for Automatic Number Plate Recognition, which is a technology used for automatic detection and recognition of vehicle license plates. The system uses optical character recognition (OCR) to extract alphanumeric characters from the license plates and convert them into machine-readable text. | SKILLS **Programming/Technology**   * Python * Machine learning * TensorFlow * Computer Vision * PyQt5 * SQL * Pandas * Numpy * Matplotlib * OpenCV * Django Framework * Git and Github * Docker * YOLOv8 * Tensorflowlite   **Development/IDE**   * VS Code * Jupyter Notebook * Kaggle Notebook * Google Colab   **Databases/Servers**   * MySQL * PostgreSQL  CERTIFICATES  * [Certificate of Data Analysis with Python by IBM](https://coursera.org/share/109b2983288669c85e4813beacebc44c) * [Certificate of Basic Python from Kaggle](https://www.kaggle.com/learn/certification/laxmanmalviya/python) * [Certificate of INTRO TO MACHINE LEARNING](https://www.kaggle.com/learn/certification/laxmanmalviya/intro-to-machine-learning) * [Certificate of Python Basic by UNIVERSITY OF MICHIGAN offered through COURSERA](https://coursera.org/share/6f941c51f5a9fa0dcaa1ea20f402d46c) * [Certificate of Python Functions, Files and Dictionaries by UNIVERSITY OF MICHIGAN offered through COURSERA](https://coursera.org/share/07c108a4cfbe073106be7acaafacf727) * [Certificate of Data Collection and Processing With Python by UNIVERSITY OF MICHIGAN offered through COURSERA](https://coursera.org/share/faa98253cde9fceb9893c2839f3cea7c) * [Certificate of Python Classes and Inheritance by UNIVERSITY OF MICHIGAN offered through COURSERA](https://coursera.org/share/3754556cb701e3cc4a66f708338f84c8) |