Vishesh Saxena

Contact Information

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Profile

Python Developer with 3+ years of experience specializing in building scalable applications and leveraging Machine Learning techniques to enhance model performance.

Work Experience

Futops Technologies India Pvt Ltd , Pune. Nov 2021 –Present

- **Software Engineer**
  - Developed Smart Traffic System using YOLOv7 with 69% accuracy. Detects traffic jams, monitors speed, and enforces parking violations in real-time.
  - Live people tracking with precise pose detection using OpenCV, MySQL, and Python.
  - Develop HTTP live streaming with Nginx to ensure smooth media delivery and real-time data transmission, achieving a low latency of 10-12 seconds.
  - Developed an LED monitoring system for automated server monitoring in data centers using OpenCV, achieving an accuracy of 80%.

Infosys Ltd., Bengaluru Feb 2021–Nov 2021

- **System Engineer**
  - Worked under the Interactive Voice Response project which plans, designs, tracks, and modifies IVR-enabled telecommunications systems to meet the needs of clients.

Footloose Labs, Bengaluru. Jun 2018–Jul 2018

- **Internship – Project TARA**
  - "Implemented YOLOv4 for real-time object detection, achieving a 70% accuracy.
  - Calibrating the movement of the Robot arm for moving the object using Inverse Kinematics.

Education

JSS Academy of Technical Education, Noida 2016–2020

- B.Tech in Department of Electronics and Communication Engineering., GPA: **8.16/10**
- Thesis: Machine Learning approach for Breast Cancer Early Diagnosis.

Kendriya Vidyalaya, Lucknow. 2014–2015

- HSC, Compter Science, PCM. Score: **85.2/100**

Technical Skills

- **Programming Languages**: Python, Shell scripting, Java, C++, SQL .
- **Technical Softwares**: Git, Docker, Visual Studio, MATLAB, Sublime Text, Nginx.
- **Database Knowledge**: Oracle DBA, SQL.
- **OS Knowledge**: Linux, Windows.
- **Libraries Knowledge** : Numpy , Pandas, Matplotlib , Keras , OpenCV , Sklearn , Tensorflow, ZMQ, Flask.

Publication

- **Machine Learning approach for Breast Cancer Early Diagnosis**: Taylor and Francis Group July 2021

Project Undertaken

- **Facial Recognition Model** Mar 2021 – May 2021
  Facial Recognition Model Using Support Vector Machine and Principal Component Analysis.
- **Churn Prediction of Telecom Customers** Sep 2020 – Nov 2020
  Used data of 7042 Customers from a Telecom Company to develop a Binary Classifier with a large feature set.
- **Breast Cancer Early Diagnosis** Nov 2019 – Mar 2020
  Early breast cancer prognosis of patients by using a classification approach with different machine learning techniques.
- **Sentiment Analysis of Movie Reviews** May 2019 – Aug 2019
  Prediction of sentiment label of a movie review based on their Rotten Tomato rating.