Priyanka Manoj Shewale

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OBJECTIVE:	ML & Data enthusiast, avid researcher, quick learner & seeking internship opportunities in ML domain

EDUCATION:

Stevens Institute of Technology, Hoboken, NJ   **Aug 2021 – Dec 2022**
Master of Science in Computer Science   *GPA:***2.92/4.0**
Course Work: ML Fundamentals & Application, Data Structures & Algorithms, Data Mining, Computer Vision, Multivariate Data Analysis, Python for Engineering Applications
Awards: Scholarship: 12000 USD

Army Institute of Technology, Pune, India   **May 2018**
Bachelor of Technology in Electronics & Tele-communication Engineering   **GPA:3.0/4.0**

CERTIFICATIONS: **Machine Learning by Andrew Ng (Coursera)**   **June 2019**

SKILLS:

Programming & Scripting Languages: **Python, R, Java, C**
Tools and Packages: 3DExperience, Visual Studio, MATLAB, Google Collab, OpenCV, Scikit, TensorFlow, Pandas
Technical Skills: Object Detection & tracking, Image processing, DBMS, GMM, Linear Classifiers, EM Algo, Parzen window, Random Forest, AdaBoost, LDA, ANN, CART, KNN, Naïve Bayes, Random Forest, Automation Model Development

ACADEMIC PROJECTS:

Loan Defaulters Prediction| Stevens Institute of Technology |Hoboken, NJ, USA   **Ongoing Spring 2022**
Model to predict loan defaulter cases using various features in Loan Dataset
- Developing models like Random Forest, Bagging along with Random Forest, Logistic Regression, Support Vector Machine, K-nearest neighbor, AdaBoost Classifier and Multilayer Perceptron.
- Aim is to predict the loan defaulters using different models and compare the models for accuracy and best model.

Abalone Age Prediction | Stevens Institute of Technology | Hoboken, NJ, USA   **Fall 2021**
Prediction Model for Abalone dataset
- Developed KNN classifier model for age prediction with accuracy over 63%
- Analyzed a linear regressor model to predict the no of rings in an abalone.

Local Positioning System |Army Institute of Technology | Pune, India   **Spring 2017**
Techno-Champ 2017, John Deere, AIR4
- Created a **Visual Odometry** based LPS System using Image Processing & KLT feature tracker (BE Project)
- Trained a model to track objects and visualize an agricultural plot.
- Implemented a process flow to organize automated agriculture tasks with real time camera inputs.

Human Activity Recognition | Army Institute of Technology| Pune   **Jan 2018**
- Created a deep learning neural network based on CNN and LSTM model to train and recognize the different phases of human activities.
- Tested the trained model on real time input from the Xbox with accuracy varying over 57-63%

EXPERIENCE:

Continental Automotive components India Pvt. Ltd. | Bangalore, India   **July 2018 – Aug 2021**
Associate Engineer (System Integration: Automation development) |Occupant Safety and Sensorics BU
- System Integration Unit test plan executions for Suzuki, AUDI PPE (Premium Platform Electric), VW
- Test plan development for AUDI PPE project and task management through IMS.
- Automation Script development (Python) and debugging for AWL (Airbag Warning Lamp) module.
- Took full responsibility and led the Diagnostic Functional group (UDS) for VW projects deliverables.
- Performed EDA of sensor data for developing generic ML model for predicting sensor values in pre-crash and post-crash scenarios within Innovation Team.
- Business Travel to CHINA, collaborated with onsite team & responsible for Suzuki Project Final Product Test.
- Organized knowledge transfer and training sessions for team and mentored 2 new team members.

Intern PIL Lab| Dassault Systemes: Product Innovation Lab| AIT | Pune, India   **Nov 2017- Jan 2018**
- Led 5 projects- 6DOF Robotic Arm for industrial applications on production line, Automatic Wiper, Poppy Robot
- Collaborated on projects: Humanoid Robot, Auto Simulator along with 3D printer with teammates
- D-Vehicle (Innovative Concept design with Lego model for Especially Abled People and its programming, Schaeffler Open Inspiration India' 2017)

ACTIVITIES: Member of Product Innovation Lab |Dassault Systemes | Army Institute of Technology   **2017– 2018**