



Shraddha Gaikwad

"Aiming at combining business driven objectives with technology in the domain of Data Science/ Artificial Intelligence."

Education

- 2017–Present **M.Tech.(Modeling and Simulation)**, *Center for Modeling and Simulation, Pune University.*
- 2017 **B.E.(Computer Engineering)**, *Marathwada Mitra Mandal's College Of Engineering, Karvenagar, Pune, Percentage – 66.6%.*
- 2009 **HSC Board**, *Abeda Inamdar Junior College for Girls, Pune, Percentage – 59.00%. Maths, Physics and Chemistry*
- 2007 **SSC Board**, *B T Shahani Navin Hind English Medium School, Pune, Percentage – 51.23%.*

PROJECT

- 2018–Present **Problem Title – Loan Prediction 3 (Analytics Vidhya).**

Rank 148

Problem Statement Company wants to automate the loan eligibility process (real time) based on customer detail provided while filling online application form. These details are Gender, Marital Status, Education, Number of Dependents, Income, Loan Amount, Credit History and others. To automate this process, they have given a problem to identify the customers segments, those are eligible for loan amount so that they can specifically target these customers.

Description I have implemented this loan prediction problem using machine learning random forest algorithm and data cleaning in R as there are missing values in the dataset. Total there are 13 attributes in this dataset. With number of forests and rest default values I find variable importance ranking, done some feature engineering and use that data to remove two attributes at a time and record CV accuracy until there are no attributes left and records the best subset and best CV accuracy.

- 2018–Present **M.Tech Mini Project–Rank Based Recommendation System.**

We are working on a Movie dataset in which user rates the movies and gets the movie genres recommendation.

Technical Pearson Correlation Similarity Measure: To measure similarity between two users.
Keywords K-Means Clustering: To cluster similar movies together.
Programming Python.
Language

2017 **BE Project–Suspicious Activity Detection In Video Surveillance System.**

Problem To develop a surveillance application for real time detection for abandon objects and
Statement activities happening in public place using CCTV camera feed. Our aim is to detect
activities at any public places and assist the corresponding authorities to maintain
rules and regulations on any platform detection of different activities includes:

1. Fire detection.
2. Smoking person identification.
3. Abandoned object detection.

Technical 1. Image Processing: Image enhancement, noise removal, restoration, feature
Keywords detection, compression.
2. Video processing: Frame separation.
3. Computer Vision: Object detection and recognition.
4. Object Tracking: Foreground and background subtraction, Binary Large Ob-
ject(BLOB),Oriented FAST and Rotated BRIEF(ORB).

Programming ASP.net,Open CV 2.4.10.
Language

Assignments

Subjects Machine Learning, Statistical Inference.

Duration 6 Months.

Project I have studied machine learning algorithms like K-Means, K-Nearest Neighbors(K-
NN), Decision tree, Naive bayes, Support Vector Machine(SVM), Random forest,
Principal Component Analysis(PCA), Linear regression, Logistic regression and
implemented them using R. I have studied K-fold cross-validation(CV) accuracy,
R-squared, Mean Squared Error(MSE), Feature engineering, Attributes selection.

Technical Skills

- R
- Python
- Linux
- C
- C++
- Core Java
- Netlogo

Training And Certifications

- C

- C++
- Core Java

Personal Skills

- Goal Oriented.
- Excellent Presentation Skills.
- Strong Verbal, Written Communication Skills.
- Excellent Interpersonal Skills.
- Good Computer Handling Skills.


Area of Interest

- Data Science
- Machine Learning

Languages

Marathi	Mother Tongue
Hindi	Excellent
English	Excellent

Personal Details

DOB	25th of July, 1992
Permanent Address	Room No- 62, Bhawani Peth Police Line, Near Padamjee Police Chowki, Pune - 411042
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Social Network	 https://www.linkedin.com/in/shraddha-gaikwad-010b88125/

Declaration

I hereby declare that the above mentioned information is correct up to my knowledge and I bear the responsibility for the correctness of the above mentioned particular.

Date:

Place:

Shraddha Gaikwad