

Laxman Singh Tomar

Email: lakshmantomar@gmail.com

Website: <https://laxmansinghtomar.github.io>

Mobile: +91 8218552337

Linkedin: <https://www.linkedin.com/in/laxman-singh>

Github: <https://www.github.com/LaxmanSinghTomar>

EDUCATION

- **Dr. APJ Abdul Kalam Technical University** Mathura, India
 - *Bachelor of Technology in Computer Science; CGPA: 8.01*
 - Courses: Machine Learning, Artificial Intelligence, Applied Linear Algebra, Data Structures & Algorithms, Operating Systems, Database Management Systems

SKILLS SUMMARY

- **Languages:** Python, C, Julia, SQL
- **Tools:** Numpy, Pandas, Scikit-Learn, Matplotlib, Keras, Pytorch, Fast.ai, OpenCV, Librosa, NLTK, Gensim, Streamlit, Transformers, Tokenizers, AWS Sagemaker, Git, Latex, Tableau, Power-BI
- **Technical Skills:** Machine Learning, Deep Learning, Natural Language Processing, Model Deployment

EXPERIENCE

- **Robofied** Gurgaon, India
 - *Machine Learning Engineer* *Aug. 2019 - Present*
 - **Voicenet:** Voicenet is a comprehensive python library for performing speech/voice based functions ranging from Speech to Text, Gender, Age and Emotion detection from Voice and many more!
 - **Other:** Working on creating quality content and efficient models by making use of cutting-edge techniques and tools
- **Robofied** Gurgaon, India
 - *Machine Learning Internship* *June 2019 - July 2019*
 - **Gender Detection from Voice:** Worked on Identification of the Gender of the Speaker based on Voice Samples with commendable accuracy in order to provide human alike behavior by model

PROJECTS

- **Amazon Fashion Discovery Engine:** Recommendation Engine to recommend similar apparels in e-commerce.
 - Collected data of 183k products using Product Advertising API of Amazon.
 - Used multiple approaches like Bag of Words, tf-idf, Word2Vec, Weighted Word2Vec and Weighted Brand & Color for text based & CNNs generated features for Image based recommendations.
- **Quora Similar Questions:** Detecting whether an asked question has been asked already.
 - Performed extensive feature engineering & generated tf-idf weighted Word2Vec features using 400k questions.
 - Used Logistic Regression, Linear SVMs and XGboost to obtain a log-loss value of 0.35.
- **Stackoverflow Tag Predictor:** Suggesting the tags based on the content that was there in the question posted on Stackoverflow.
 - Performed feature engineering over 6M Questions Data.
 - Used Logistic Regression with l1 regularizer to obtain Micro Average f-1 Score of 0.44.
- **Personalized Medicine Diagnosis:** Detecting Cancer using genetic variations and evidence from text-based clinical literature.
 - Used wide array of approaches like Logistic Regression, Naive Bayes, KNN and Random Forests for comparison.
 - Obtained least mis-classification percentage (37%) using Logistic Regression and Stacking various Models.
- **Certifications:** Checkout my certificates here.

TALKS

- **HR Analytics Workshop @MSME:** Conducted 5-days Human Resource Analytics Workshop under the aegis of Ministry of Micro, Small and Medium Enterprises, Government of India at Dr. MPS Group of Management Institutions.