# GARIMA THAKUR

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Portfolio:
https://garimazthakur.github.io/

## PROFESSIONAL SKILLS

Tools:
Python, PyCharm
Packages:
Scikit-Learn, Numpy, Pandas, Matplotlib, Seaborn, Matlab, Jupyter Notebook
Statistics/ Machine Learning:
Linear/Logistic Regression, Decision Trees, Random Forest, Support Vector Machine, PCA.
Deep Learning:
Artificial, Neural Networks Convolutional Neural Network, Named Entity Recognitoin

## ACHIEVEMENTS

- Achieved best paper award in 13th International conference on Science Engineering and Technology (SET).
- Presented a paper titled A Hybrid Technique to mitigate Interference in OFDM in 6th"International conference on Contemporary Engineering and Technology (ICCET)", 2018.
- Presented a paper titled Electromechanical Cantilever Based Energy Harvesting System using piezoelectric material in 14th" International conference on Science Engineering and Technology (SET)", 2017.

## MEMBERSHIP

The core member of the International Association of Engineers (IAENG).
Membership ID: 186726.

## PERSONAL SKILLS

- Reliable and Professional
- Organized
- Time Management
- Team Player

## PROFILE

Getting involved in projects and activities that will provide me with opportunities of utilizing and enhancing my knowledge and skillset to the fullest potential.

## EXPERIENCE

### RCHILLI INC
Software Engineer | August 2021 - Present

- Build a Natural Language Processing Pipeline for NER task for 12 different languages
- The accuracy achieved is 96% whereas the F1 and F2 scores were between 69% - 75% for different languages.
- Converted the NER pipeline as a Microserve and hosted it on AWS EC2 instance.
- Optimized the pipeline such that the API response time was reduced and came under 150 ms.

### RCHILLI INC
Software Engineer Intern | Feb 2021 - August 2021

In this role, I've worked on APIs, CSVs, and JSON files.

- Created new API to parse resumes
- Created an API Wrapper to parse resumes and converted the resumes in JSON format and XML format

### LAPIZ DIGITAL SERVICES
Instructional Designer | Nov 2018 - Jan 2020

Associated with designing several E-learning projects, meeting the needs of the clients :

- For a leading Automobile manufacturer, created behavioral objectives, ensured mapping of content, developed storyboard and produced the final written material for the modules.
- For a leading Engineering company, created the material, developed and designed the storyboard for their learning modules.
- For a leading Technical company, developed a storyboard and did voiceover for their various training and teaching manuals.

## PROJECTS

- Cotton Leaf Disease Prediction: Train the model to predict if a cotton leaf has a disease or not, by using tensorflow and Keras VGG16 and ResNet50 with the accuracy of 88% and 77% respectively.
- Bank Note Authentication: Predicting a classification predictive model for banks to check whether the notes are authentic or not. The model used is RF and the accuracy is 98%.

## EDUCATION

Master of Technology, Communication Engineering, 8.60.
VIT University, Vellore | 2016- 2018

Bachelor of Technology, Electronics and Communications, 8.12.
Rayat Bahra College of Engineering | 2011- 2015

## PUBLICATION

**Electromechanical Piezoelectric Based Energy Harvesting System.**

In this paper we investigated a bimorph piezoelectric cantilever geometry by using COMSOL Multiphysics 5.2., the material used is Lead Zirconate Titanate (PZT 5A), and stainless steel to create a piezoelectric vibration based energy harvester which is a feasible alternative to implement energy harvsting.

Link: www.ingentaconnect.com/contentone/asp/asl/2018/00000024/00000008/art00109
DOI: https://doi.org/10.1166/asl.2018.12241

## ENDORSEMENT

I hereby declare that the information furnished above is complete and true to the best of my knowledge.

Date:

Name: Garima Thakur

Place: