

# Nithin Thokkala

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## SKILLS

- **Languages:** Python, Java
- **Frameworks:** Tensorflow, PyTorch, Keras
- **Tools/Platforms:** Anaconda, Github, Pycharm, Microsoft Office , AutoCAD
- **Soft Skills:** Problem-Solving Skills, Self-motivation, Presentation skills, Quick learning

## INTERNSHIP

### Skillforge – Machine Learning with Python

August 2023 - October 2023

ML Intern

- Project Overview : Designed and implemented a Convolutional Neural Network (CNN) for classifying Fashion accessories as part of the Major Project, and developed an Artificial Neural Network (ANN) to forecast customer churn using user behavior and demographic features as the Minor Project.
- Tech stacks used: Python, Machine Learning, Deep Learning.

## PROJECTS

### Student Career Response :

November 2024

- Utilized Pandas and NumPy for data preprocessing, while Matplotlib and Seaborn were used for data visualization.
- Implemented Natural Language Processing techniques such as sentiment analysis, tokenization, and stop-word removal using NLTK.
- Additionally, processed textual data and generated insights through Word Cloud visualization.
- Tech : Python, Natural language Processing ,Machine Learning.

### Dimensionality reduction for Visualization :

October 2024

- Developed a machine learning model based on dimensionality reduction using PCA to transform high dimensional data into lower dimensionality space while preserving as much as variance.
- Applied Pandas, NumPy for data processing, Scikit-Learn for model building, Matplotlib for data visualization.
- Used Seaborn, Normalization, Heatmap as framework.
- Tech: Python, Machine Learning, Deep Learning.

### Weather Prediction :

April 2024

- Built a machine learning model to predict Weather using classification algorithm.
- Utilized Pandas and NumPy for data processing, Scikit-Learn for model building.
- Matplotlib/Seaborn for data visualization including a correlation heatmap for feature analysis.
- Used Random Forest, Decision Tree, Linear regression in the project.
- Tech: Python, Machine Learning.

## CERTIFICATES

- Completed Data Structure and algorithms self-placed by GFG. May 2024-July 2024
- Completed Introduction to Large Language Models by Coursera December 2023 – February 2024
- Completed Project in Artificial Intelligence with Python by Immensphere (Skillforge) August 2023 – October 2023
- Completed Python for beginner by Simplilearn November 2022 -January 2023

## ACHIEVEMENTS

- **Daily Geeks-for-geeks problem:** January 2025  
Solving easy and medium problem in Geeks-for-geeks to improve problem solving speed and logic-building Through consistence practice.
- **Attended Google Nibbler :** October 2024  
Involved in prompting an image generation system and analyzing outputs to detect unethical or illegal content, refining evaluation criteria for responsible AI usage.

## EDUCATION

### Lovely Professional University

Bachelor of Technology - Computer Science and Engineering; **CGPA: 7.27**

Punjab, India

Since August 2022

### Sri Chaitanya Junior College

Intermediate; **Percentage: 94.4%**

Vijayawada, Andhra Pradesh

July 2020 - April 2022

### Indus EM High School

Matriculation; **Percentage: 79%**

Kurnool, Andhra Pradesh

July 2017 - April 2020