Khushal Goyal

B.Tech
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EDUCATION

The LNM Institute of Information Technology	**B.Tech in Computer Science** │ GPA : 7.63/10	*November 2021 – Present*
Aaradhan public school	**class XII** │ Percentage : 93/100	
Carmel convent Sr. Sec. School	**class X** │ Percentage : 93/100	

INTERNSHIPS

Agent Oriented Development │ *LNMIIT*   *June 2023 – July 2023*
  – Developed Algorithms for multiagent systems.
  – Documented more than 22 research papers on heuristic, reinforcement learning based drone navigation algorithms

TECHNICAL SKILLS

Languages :Python, C/C++, SQL, HTML, CSS, Java
Frameworks :PyTorch, TensorFlow, Keras, HuggingFace, Transformers, NLTK, Spacy, Power BI
DevOps and API Tools : Git, Docker,Postman
Others : Data Structures, SOLID Principles, Design Patterns, Multiagent systems, machine learning, deep learning, reinforcement learning, Data Science

PROJECTS

Multi class Classification Using Image transformers │ *Transformers, PyTorch, Transformers*   *March 2024*
  – An image classification model built with a transformer encoder only architecture.
  – Developed a PyTorch model, achieving 75% accuracy; improved to 95% with transfer learning and fine-tuning a pretrained vision transformer.

Loksabha 2024 data analysis: Instagram │ *Python, Data Gathering, Data Visualizing, data Inferencing*   *April 2024*
  – Research on Instagram data of Loksabha 2024
  – Data is fetched from meta's crowdtangle API and is analysed using Unsupervised learning algorithms like HDBSCAN, topic modelling using LDA and BertTopic

Anime Face Generator │ *GAN, Deep Learning, Data Science*   *Jan 2024*
  – using Generative Adversarial Networks (GAN) to create a generative model
  – The Model takes input a value and corresponding to that generate a face image of an anime Character

ASL Convertor │ *Python, Data Analysis, Machine Learning*   *June 2023*
  – American sign language(ASL) recognition system
  – Explored multiple algorithms to classify and compare the American Sign Language dataset from Kaggle, achieving accuracies from 74% to 95%.

POSITION OF RESPONSIBILITY

Head │ *SocioTech Podcast*   *Jan 2024*
  – Head of the Sociotech podcast team under CMLBDA, LNMIIT

Volunteer Engagement Executive │ *BloodConnect Jaipur*   *Feb 2023*
  – Managed a team of more than 30 people in organizing blood camps, awareness sessions, skits, etc.

CERTIFICATIONS

Volunteer Engagement Executive │ *BloodConnect Jaipur*   *Jan 2024*
  – LOR/Certificate for performing social work in making India blood sufficient.

IBM Data Analysis │ *IBM, Coursera*   *Aug 2023*
  – For compeleting IBM data Analyst Course

Automatic Birthday Generation App │ *LNMIIT, Jaipur*   *Aug 2023*
  – Received for my contributions in the Avaataran App that is deployed on LNMIIT server.

HOBBIES

Podcasting, Learning different spoken languages, Cooking