**Vansh Nayak**
(Innovative, Trainable, Hardworking)
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## CAREER OBJECTIVE

Looking for a challenging role in a reputable organization to utilize my technical, database, and management skills for the growth of the organization as well as to enhance my knowledge about new and emerging trends in the IT sector.

## ACADEMIC BACKGROUND

| Year | Qualification/ Degree | Board/University | Percentage |
|---|---|---|---|
| 2020-2024 | B. Tech in Computer Science Engineering- Specialization in Artificial Intelligence and Machine Learning | UPES- Dehradun, Uttarakhand | 79% |
| 2019-2020 | Class XII | CBSE | 75% |
| 2017-2018 | Class X | CBSE | 78% |

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|---|---|
| **Subject Electives** | Major- Artificial Intelligence and Machine Learning.<br>Minor- Big Data<br>Exploratory- Graphic Design. |
| **Technical Proficiency/Skills** | **Language:** Java, C, Python, SQL<br>**Databases:** MySQL<br>**Operating System:** Windows, Linux<br>**Others:** Git, GitHub, HTML, CSS, PowerBI |

## Internship/Work Experience

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|---|---|
| **Company:** | **CORIZO** |
| **Project Title:** | **Build a model to detect Chicken Disease Classification using MLOPS DVC Pipeline** |
| **Description:** | This is end to end Deep Learning project using MLOPS tools such as DVC along with the deployment using GitHub action in AWS cloud<br>https://github.com/vanshnayak2002/Chicken-diseases_Vansh |
| **Duration:** | **5th Jan 2023 - 5th Mar 2023** |

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|---|---|
| **Certificate** | **https://drive.google.com/file/d/1ehFJj4K96b-IH0I97dKKxIWrWRexolr9/view?usp=sharing** |

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|---|---|
| **Company:** | **IBM** |
| **Role:** | **Intern** |
| **Description** | **Design a deep learning algorithm to detect objects and their positions in real-time video streams** |
| **Duration** | **1st Jun 2023 – 1st Sep 2023** |
| **Certificate** | **https://drive.google.com/file/d/1aXCH0MFW_aj0Df_FnAfHIC2NcbXaCVsD/view?usp=sharing** |

## Projects (Major/Minor)

**Company:** UPES
**Project Type:** Minor Project 2
**Project Title:** **Satellite Based Disaster Assessment**
**Description:**

- Led the development of a satellite-based disaster assessment system, leveraging convolutional neural networks (CNN) for binary classification of disaster-affected areas with 83% accuracy, utilizing Python and TensorFlow.
- Designed and implemented a graphical user interface (GUI) for the disaster assessment application using the Gardio framework, enhancing user experience and accessibility in interpreting satellite imagery data for disaster management.
- Demonstrated expertise in remote sensing data analysis and deep learning techniques, extracting meaningful features from satellite images to accurately classify disaster-prone regions, thereby aiding in timely disaster response and mitigation efforts.

**Duration:** Jan 2023 – May 2023

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**Company:** UPES
**Project Type:** Personal Project 1
**Project Title:** **Lip-Sync AI**

**Description:**

- Developed a state-of-the-art deep learning model for lip reading using Python and TensorFlow, achieving high accuracy in transcribing spoken language from lip movements.
- Designed and implemented a user-friendly application using Streamlit framework to enable real-time lip reading capabilities, providing a seamless interface for users to interact with the model.

**Duration:** July 2023 – Aug 2023

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**Company:** UPES
**Project Type:** Personal Project 2
**Project Title:** **Movie Recommender System**
**Description:**

- Spearheaded the development of a robust movie recommender system project, focusing on content-based recommendation techniques using Python and machine learning algorithms.
- Successfully deployed the recommender system on Heroku, ensuring scalability and accessibility for users, thus showcasing proficiency in cloud deployment and application hosting.
- Implemented advanced content-based filtering algorithms to analyze movie attributes such as genre, cast, and plot, delivering personalized recommendations tailored to individual user preferences.
- Showcased expertise in data preprocessing, feature engineering, and model optimization to enhance the accuracy and relevance of movie recommendations, contributing to improved user experience and engagement.

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**Duration:** Nov 2022 – Dec 2022

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## Accomplishment and Recognition

- ⇨ Participated in Microsoft Machine Learning Operations (MLOPs) Challenge
- ⇨ Showcased musical talents and performed live on Akashvani (All India Radio)
- ⇨ Got Selected in UPES Project Expo 2023
- ⇨ Got opportunity to showcased project for Honeywell
- ⇨ I worked in PR team in Habitat for Humanity as a part of my social internship.

I hereby declare that the information stated above is true to the best of my knowledge.Name of the Student: **Vansh Nayak**

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